FUJIFILM

digital
Tools for the imagination.

xD-Picture Card™ Exif Print PictBridge

Designed for Microsoft® Windows® XP

DIGITAL CAMERA
# FinePix S3100
DIGITAL CAMERA
# FinePix S3500

## OWNER'S MANUAL

This manual will show you how to use your
FUJIFILM DIGITAL CAMERA FinePix S3100/FinePix S3500 correctly.
Please follow the instructions carefully.


1 Getting Ready
2 Using the Camera
3 Advanced Features
4 Settings
5 Software Installation
6 Viewing Images


BL00404-200(1) E

# Warning (For customers of FinePix S3100)

**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**

**For customers in the U.S.A.**

***Tested To Comply***
***With FCC Standards***
***FOR HOME OR OFFICE USE***

### FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### CAUTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void the user's authority to operate the equipment.

**Notes on the Grant:**
To comply with Part 15 of the FCC rules, this product must be used with a Fujifilm-specified ferrite-core Video cable, USB cable and DC supply cord.

### For customers in Canada

### CAUTION

This Class B digital apparatus complies with Canadian ICES-003.

**Please read the Safety Notes (➡P.96) and make sure you understand them before using the camera.**

# IMPORTANT

Be sure to read this page before using the Software.

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    Upon termination or expiration of this Agreement, you shall, at your own responsibility and expense, delete or destroy immediately all Software (including its copies), Media and Documentation.
12. **Governing Law.**
    This Agreement shall be governed by and construed in accordance with laws of Japan.



# EC Declaration of Conformity

We
Name: Fuji Photo Film (Europe) G.m.b.H.
Address: Heesenstrasse 31
40549 Dusseldorf, Germany

declare that the product
Product Name: FUJIFILM DIGITAL CAMERA FinePix S3100 / FinePix S3500
Manufacture's Name: Fuji Photo Film Co., Ltd.
Manufacture's Address: 26-30, Nishiazabu 2-chome, Minato-ku,
Tokyo 106-8620, Japan

is in conformity with the following Standards
Safety: EN60065
EMC: EN55022: 1998 Classe B
EN55024: 1998
EN61000-3-2: 1995 + A1:1998 + A2:1998

following the provision of the EMC Directive (89/336/EEC, 92/31/EEC and 93/68/EEC) and Low Voltage Directive (73/23/EEC).

CE

Dusseldorf, Germany — July 1, 2004 — Signature/Managing Director
Place — Date

Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA

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# Preface

**■ Test Shots Prior to Photography**
For important photographs (such as weddings and overseas trips), always take a test shot and view the image to make sure that the camera is working normally.
- Fuji Photo Film Co., Ltd. cannot accept liability for any incidental losses (such as the costs of photography or the loss of income from photography) incurred as a result of faults with this product.

**■ Notes on Copyright**
Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of **xD-Picture Card** containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

**■ Liquid Crystal**
If the LCD monitor and the viewfinder (EVF) are damaged, take particular care with the liquid crystal in the monitor and the viewfinder (EVF). If any of the following situations arise, take the urgent action indicated.
- If liquid crystal comes in contact with your skin
  Wipe the area with a cloth and then wash thoroughly with soap and running water.
- If liquid crystal gets into your eye
  Flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- If liquid crystal is swallowed
  Flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical assistance.

**■ Notes on Electrical Interference**
If the camera is to be used in hospitals or aircrafts, please note that this camera may cause interference to other equipment in the hospital or aircraft. For details, please check with the applicable regulations.

**■ Handling Your Digital Camera**
This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impact or shock while an image is being recorded.

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- Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. Windows is an abbreviated term referring to the Microsoft® Windows® Operating System.

✻ The “Designed for Microsoft® Windows® XP” logo refers to the camera and the driver only.
- Other company or product names are trademarks or registered trademarks of the respective companies.

**■ Explanation of Color Television System**
NTSC: National Television System Committee, color television telecasting specifications adopted mainly in the U.S.A., Canada and Japan.
PAL: Phase Alternation by Line, a color television system adopted mainly by European countries and China.

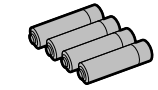
**■ Exif Print (Exif ver. 2.2)**
Exif Print Format is a newly revised digital camera file format that contains a variety of shooting information for optimal printing.



# Accessories included

- **16MB, xD-Picture Card™ (1)**
  Included with: Anti-static case (1)

- **LR6 AA-size alkaline batteries (4)**

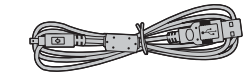


- **Shoulder strap (1)**

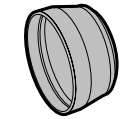
- **Video cable (1)**
  (plug (2.5 mm dia. ) to pin-plug)
  Approx. 1.5 m (4.9 ft.)

- **Lens cap (1)**

- **USB cable (1)**



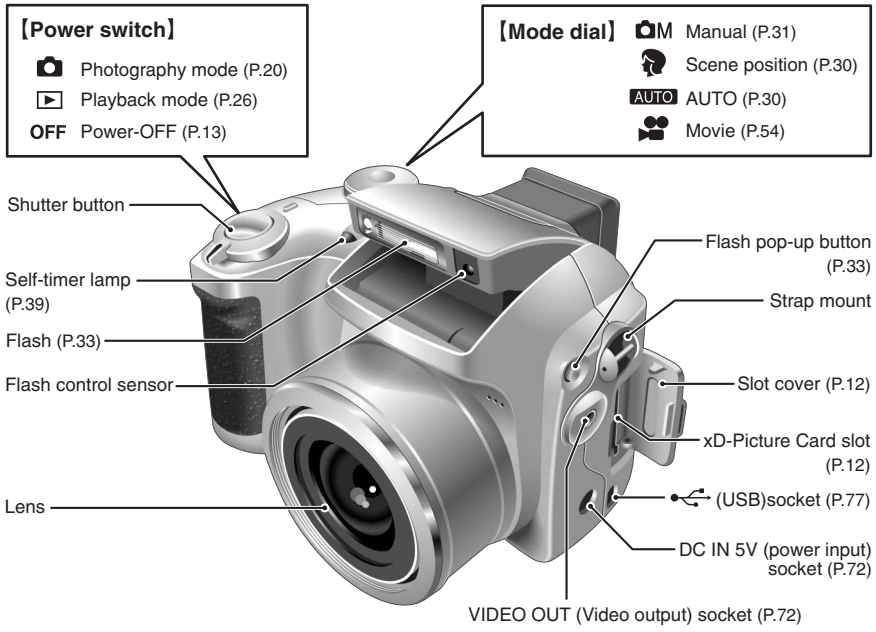
- **Adapter ring (1)**

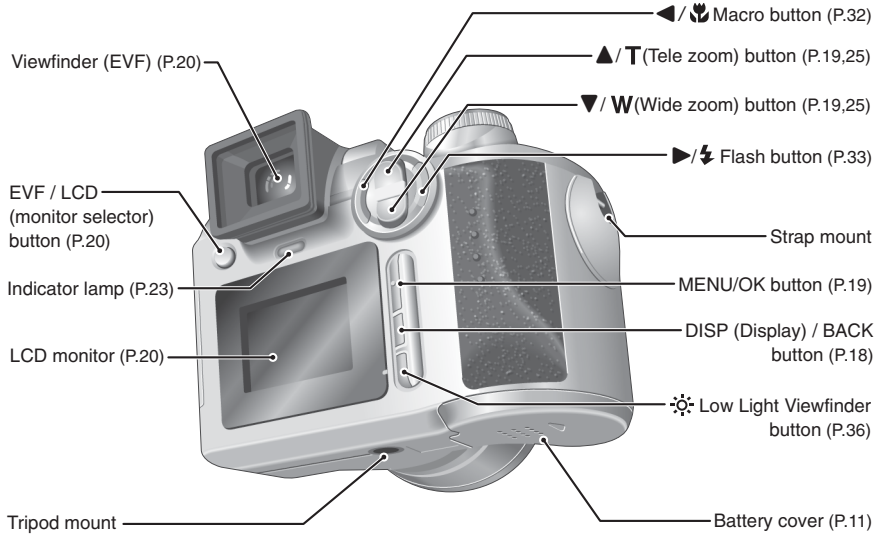


- **CD-ROM: Software for FinePix AX (1)**
- **Owner’s Manual (this manual) (1)**

# Camera parts and features

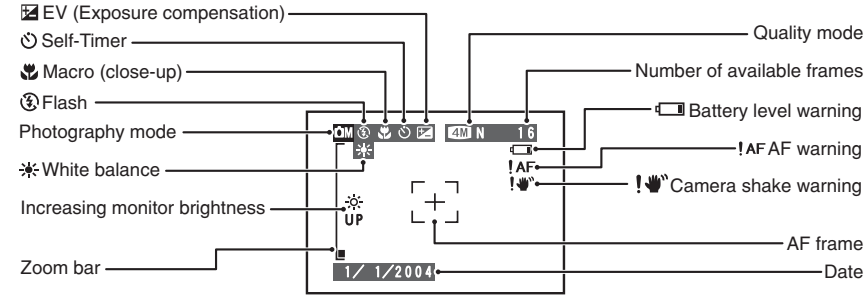
✻ Refer to the pages in parentheses for information on using the camera parts or features.



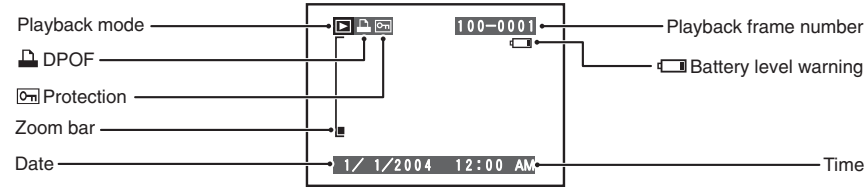


◀/ Macro button (P.32)
▲/ T (Tele zoom) button (P.19,25)
▼/ W (Wide zoom) button (P.19,25)
▶/ Flash button (P.33)
Viewfinder (EVF) (P.20)
EVF / LCD (monitor selector) button (P.20)
Indicator lamp (P.23)
LCD monitor (P.20)
Tripod mount
Strap mount
MENU/OK button (P.19)
DISP (Display) / BACK button (P.18)
Low Light Viewfinder button (P.36)
Battery cover (P.11)

## Example of screen text display

### ■ Photography mode

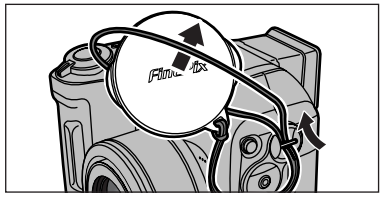



### ■ Playback mode



# ATTACHING THE LENS CAP / STRAP / ADAPTER RING

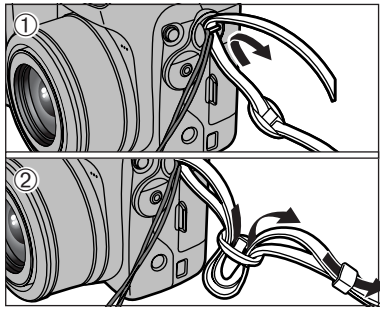
**1**



Pull the lens cap cord through a strap mount.

Attach the lens cap cord to avoid losing the lens cap.

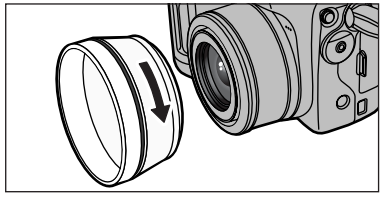
**2**




Attach the strap to the strap mounts on the camera. Once you have attached both ends of the strap, check carefully to make sure that the strap is firmly secured.

Failure to attach the strap correctly can result in the camera being dropped.

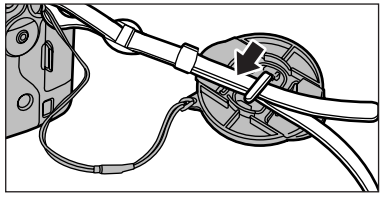
**3**



Screw the adapter ring in the direction of the arrow to mount it on the camera.

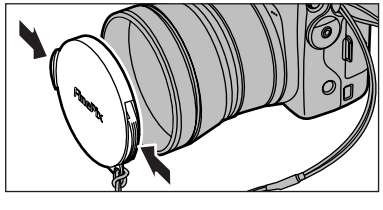
Mounting the adapter ring on the camera not only blocks unwanted external light but also protects the lens and allows the optional conversion lens to be attached.
Mount the adapter ring on the camera at all times.

**4**



## Attaching the lens cap

To prevent the lens cap from appearing in the shot when you take pictures, attach the lens cap to the strap.



Attach the lens cap to the lens by pressing in on each side of the cap.



# LOADING THE BATTERIES

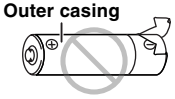
## Compatible batteries

- AA-size alkaline batteries (4), or AA-size Ni-MH batteries (sold separately) (4).

Please use the same brand and grade AA-size alkaline batteries as those supplied with the camera.

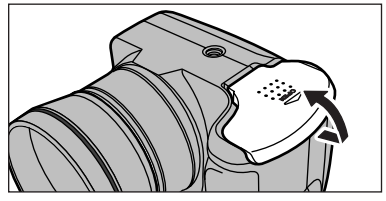
### ◆ How to use the batteries ◆

- Never use the following types of batteries, as this could cause serious problems such as battery fluid leakage or overheating:
  1. Batteries with split or peeling outer casings
  2. Combinations of different types of batteries or new and used batteries together




- Do not use manganese or Ni-Cd batteries.
- Soil, such as fingermarks on the poles of the batteries can shorten time for which the batteries can be used.
- The time for which AA-size alkaline batteries (referred to hereafter simply as alkaline batteries) can be used varies depending on the brand. Some alkaline batteries may stop providing power more quickly than those supplied with the camera. Note also that due to their nature, the time for which alkaline batteries can be used decreases in cold conditions (0°C to +10°C/+32°F to +50°F). The use of AA-size Ni-MH batteries is better for this reason.
- Use Fujifilm Battery charger (sold separately) to charge AA-size Ni-MH batteries.
- **See P.85, 86 for other notes on using batteries.**
- **When first purchased or if left unused for a long period, the amount of time which AA-size Ni-MH batteries can be used may be short. See P.86 more information for recovering performance of Ni-MH batteries.**

**1**

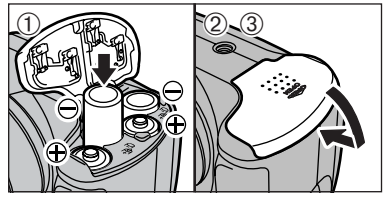


Check that the camera is turned off (indicator lamp is off) before opening the battery cover.

If opening the battery cover while the camera is still on, the camera will turn off.
Do not apply force to the battery cover.

Do not open the battery cover while the camera is on. This could damage the **xD-Picture Card** or ruin the image files on the **xD-Picture Card**.

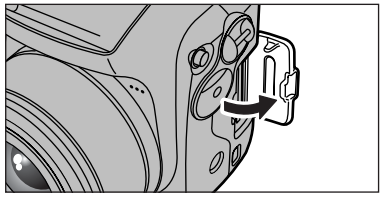
**2**




① Load the batteries correctly as indicated by the polarity icons.
② Press on the battery cover to push the batteries down.
③ Slide the cover closed.

# INSERTING THE MEDIA

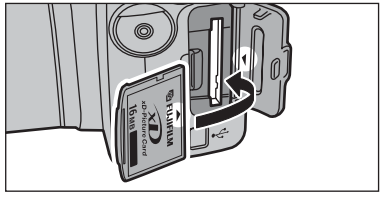
**1**



Check that the camera is turned off (indicator lamp is off) before opening the slot cover.

If opening the slot cover while the camera is still on, the camera will turn off.

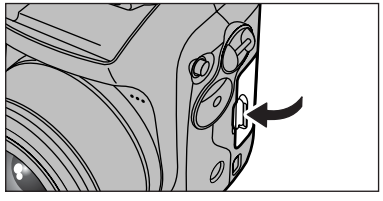
**2**



Align the indicators on the xD-Picture Card slot and **xD-Picture Card** and then push the card firmly all the way into the slot.

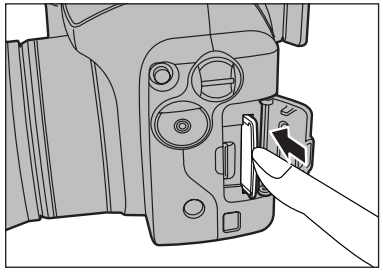
If the **xD-Picture Card** is oriented incorrectly, it will not go all the way into the slot. Do not apply force when inserting an **xD-Picture Card**.

**3**



Close the slot cover.

### ◆ How to replace the **xD-Picture Card** ◆

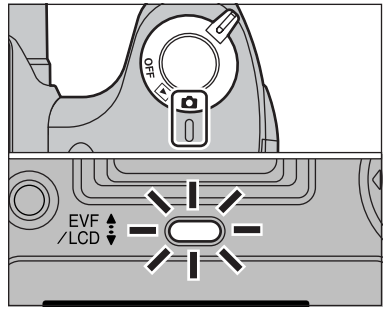


Push the **xD-Picture Card** into the slot and then slowly remove your finger. The lock is released and the **xD-Picture Card** is pushed out.



# TURNING ON AND OFF / SETTING THE DATE AND TIME

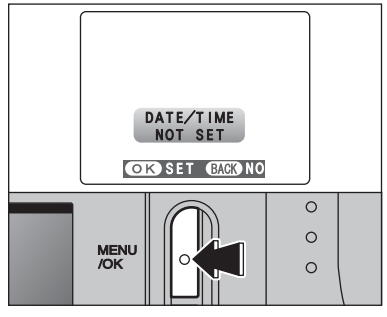
**1**




To turn the camera on, set the Power switch to "📷" or "▶". When turning the camera on, the indicator lamp lights green.
To turn the camera off, set the Power switch to "OFF".

The lens moves when the camera is in "📷" Photography mode. Take care not to obstruct the lens.
Obstructing the lens will cause damage and "ZOOM ERROR" or "FOCUS ERROR" will appear.
Take care also not to get fingerprints on the camera lens as this will result in impaired image quality in your shots.

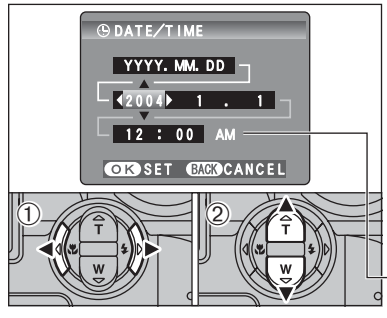
**2**




When first using the camera, the date and time are cleared. Press the "MENU/OK" button to set the date and time.

If the message (see figure at left) does not appear, refer to "Correcting the date and time" (➡P.14) and check and correct the date and time settings.
The message also appears when the batteries have been removed and the camera has been left for a long period.
To set the date and time later, press the "DISP/BACK" button.
If you do not set the date and time, this message will appear each time you turn the camera on.

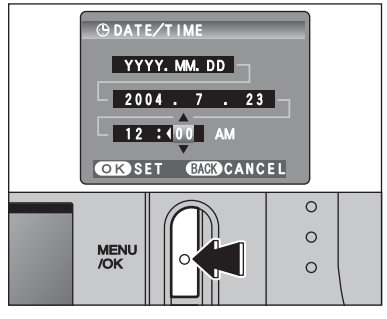
**3**




① Press "◀" or "▶" to select Year, Month, Day, Hour or Minute.
② Press "▲" or "▼" to correct the setting.

Holding down "▲" or "▼" changes the numbers continuously.
When the time displayed passes "12:00", the AM/PM setting changes.

**4**

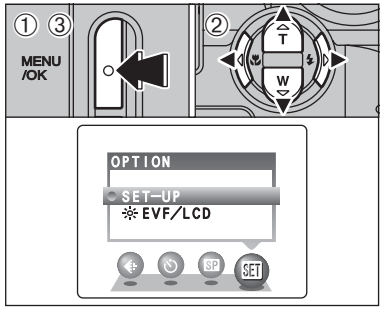



Once you have set the date and time, press the "MENU/OK" button. Pressing the "MENU/OK" button changes the camera to Photography or Playback mode.

At the time of purchase and after leaving the camera for a long period with the batteries removed, settings such as the date and time are cleared. Once the AC power adapter has been connected or the batteries have been installed for 2 hours or more, the camera settings will be retained for roughly 6 hours even if both sources of power are removed.

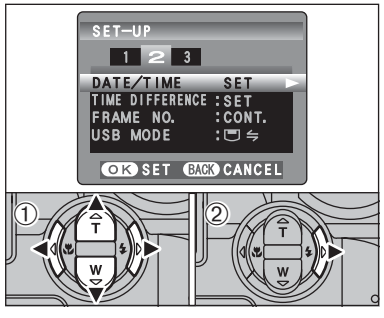
# CORRECTING THE DATE AND TIME / CHANGING THE DATE ORDER

**1**



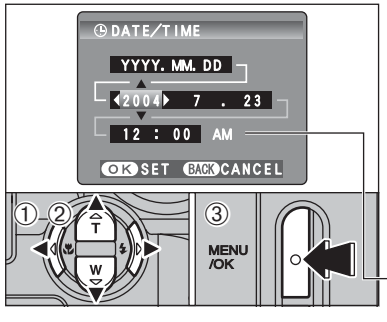

① Press the “MENU/OK” button to display the menu on the screen.
② Press “◀” or “▶” to select “SET” OPTION and then press “▲” or “▼” to select “SET-UP”.
③ Press the “MENU/OK” button.

**2**




① Press “◀” or “▶” to move to option 2 and then press “▲” or “▼” to select “DATE/TIME”.
② Press “▶”.

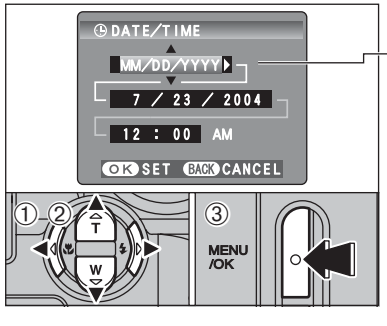
**3**




## Correcting the date and time

① Press “◀” or “▶” to select Year, Month, Day, Hour or Minute.
② Press “▲” or “▼” to correct the setting.
③ **Always press the “MENU/OK” button after the settings are completed.**

Holding down “▲” or “▼” changes the numbers continuously.
When the time displayed passes “12:00”, the AM/PM setting changes.




## Changing the date order

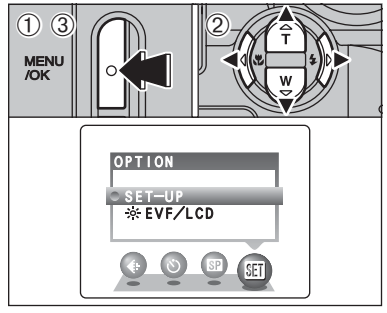
① Press “◀” or “▶” to select the date order.
② Press “▲” or “▼” to set the order. Refer to the table below for details of the settings.
③ **Always press the “MENU/OK” button after the settings are completed.**

| Date order | Explanation |
|---|---|
| YYYY.MM.DD | Displays the date in the “year.month.day” format. |
| MM/DD/YYYY | Displays the date in the “month/day/year” format. |
| DD.MM.YYYY | Displays the date in the “day.month.year” format. |



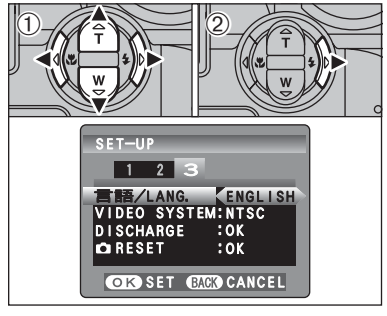
# SELECTING THE LANGUAGE

**1**




① Press the “MENU/OK” button to display the menu on the screen.
② Press “◀” or “▶” to select “SET” OPTION and then press “▲” or “▼” to select “SET-UP”.
③ Press the “MENU/OK” button.

**2**

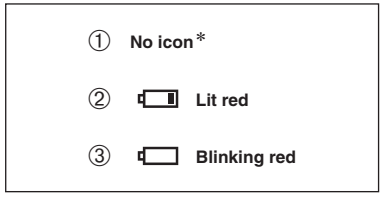



① The “SET-UP” screen appears. Press “◀” or “▶” to move to option 3 and then press “▲” or “▼” to select “言語/LANG.”.
② Press “▶” to select “ENGLISH”, “FRANCAIS”, “DEUTSCH”, “ESPAÑOL”, “中文” or “日本語”. Press “▶” to cycle through the language settings.

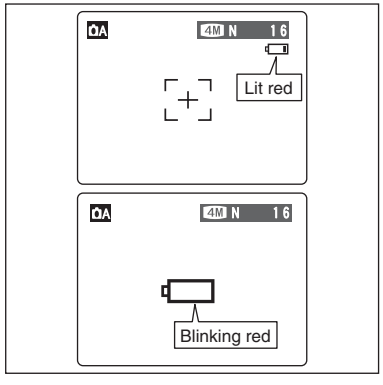
The screens in this manual are shown in English.
See P.59 for more information on the “SET” OPTION menu.

# CHECKING THE BATTERY CHARGE

Turn the camera on and check the battery charge.




① There is ample battery charge.
② There is insufficient charge left in the batteries. The batteries will soon run out. Have a new set of batteries ready.
③ The batteries are depleted. The display will shortly go blank and the camera will stop working. Replace or recharge the batteries.




"▭" appears as a small icon on the right-hand side of the screen. "▭" appears as a large icon on the screen.

- Depending on the camera mode and the type of batteries used, the transition from "▭" to "▭" may occur more quickly.
- Due to the nature of the battery, the battery low warning may appear early when the camera is used in cold locations. This is normal. Try warming the batteries in your pocket or a similar location before use.

✻ Battery level warning

1) The camera's estimation of the remaining battery charge varies greatly depending on the camera operation mode. Consequently, even if "▭" or "▭" is not displayed in Playback mode, one of them may appear when you change to Photography mode.
2) Depending on the battery type and the level of charge in the batteries, the camera may run out of power without first displaying a battery level warning. This is particularly to happen when batteries that have run out of charge once are re-used.
   In situation 2), immediately load new or fully charged replacement batteries.

### ◆ Power save function ◆

When this function is active, it also turns off the screen (sleep mode) to reduce power consumption if the camera is not used for 60 seconds (➡P.61). If the camera is then left unused for 2 or 5 minutes, the Power save function turns the camera off. To turn the camera back on, set the Power switch to "OFF" briefly and then back to "📷" or "▶".



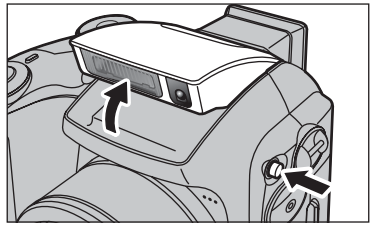


# BASIC OPERATION GUIDE

This section describes the camera's functions.

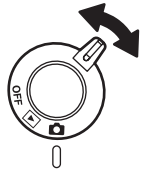
### ● Flash pop-up button

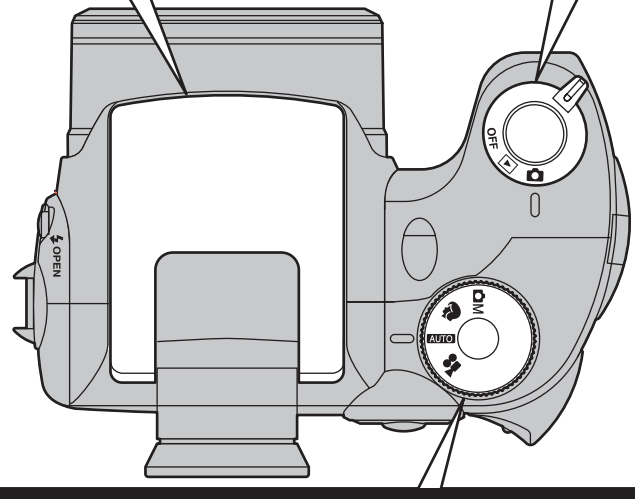
Press the Flash pop-up button to release the flash.



### ● ON/OFF and Photography / Playback mode selector switch

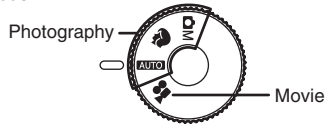
Use the Power switch to select the mode.




### ● Photography mode selector

Turn the Mode dial to change Photography mode.




**Still image shooting**

AUTO Auto

Scene Position

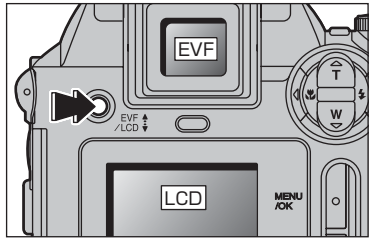
M Manual

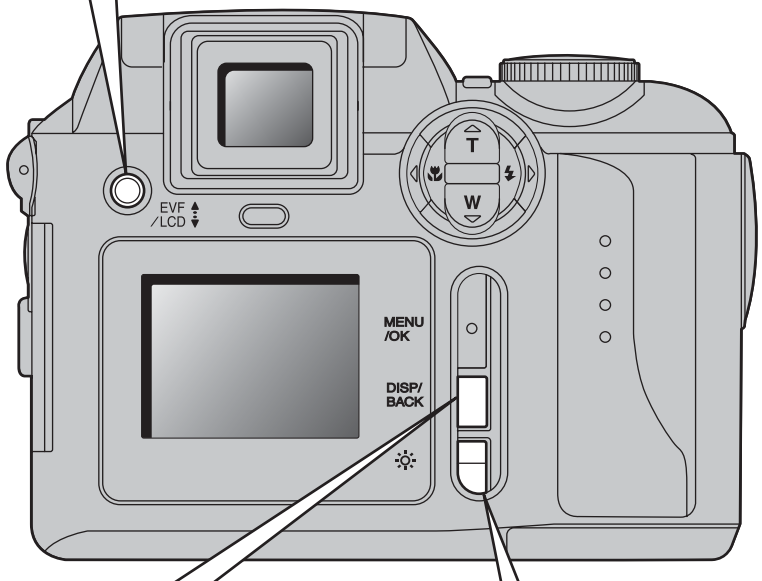
**Movie recording**

Movie

## ● Changing between the viewfinder (EVF) and the monitor (LCD)

Pressing the “EVF/LCD” button toggles between the viewfinder and the LCD monitor. Use whichever mode is best suited to your shot.




## ● DISP/BACK button

**DISP:** Press this button to select the screen display.
**BACK:** Press this button to stop a procedure midway through.

## ● ☼ Low Light Viewfinder button

The screen brightness is increased briefly.

## ● ◀▶ button

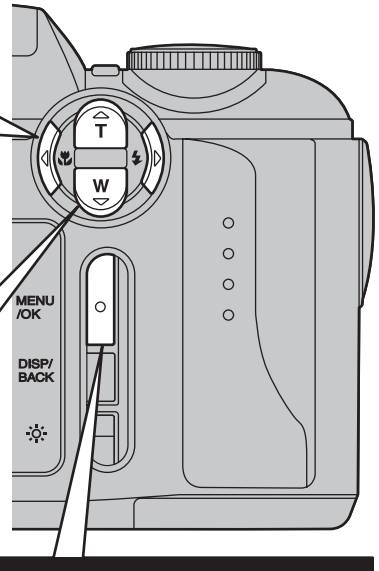
**Photography:** ◀ button Turns Macro ( ) on and off.
▶ button Sets the flash ( ).

**Playback:** Change frame or movie frame advance.

## ● T ( ▲ ) , W ( ▼ ) / Zoom button

**Photography:** Press “**T**” to zoom in (telephoto).
Press “**W**” to zoom out (wide-angle).

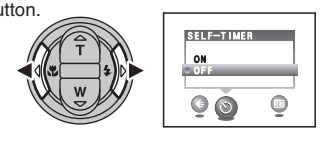
**Playback:** Press “**T**” to enlarge the image.
Press “**W**” to revert to normal display.



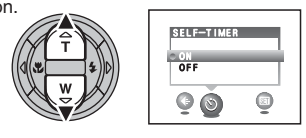

## ● Using the Menus

①Display the menu.
Press the “MENU/OK” button.

②Select a menu option.
Press the left or right arrow on the 4-direction button.



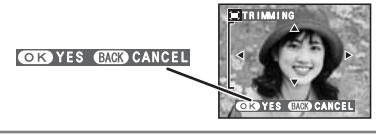

③Select a setting.
Press the up or down arrow on the 4-direction button.




④Confirm the setting.
Press the “MENU/OK” button.

## ◆ Displaying the On-screen Help ◆

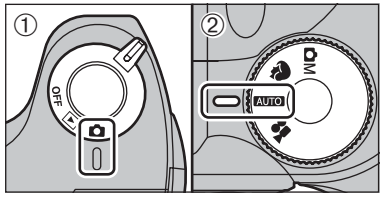
Instructions for the next step in the procedure appear at the bottom of the screen. Press the button indicated.
For example, to trim the image as shown in the figure at right, press the “MENU/OK” button.




Up, down, left and right are indicated by black triangles in the Owner’s Manual. Up or down is shown as “▲” or “▼”, and left or right is shown as “◀” or “▶”.

# TAKING PICTURES (AUTO AUTO MODE)

## 1

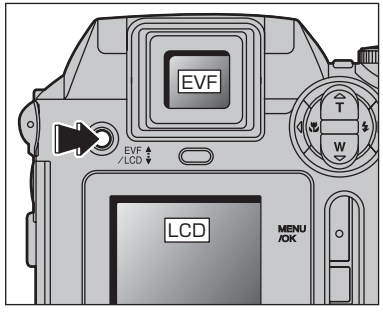



① Set the Power switch to "📷".
② Set the Mode dial to "AUTO".

- **Focal range**
  Approx. 80 cm (2.6 ft.) to infinity

- Use Macro mode for subjects closer than 80 cm (2.6 ft.) (➡P.32).
- When "CARD ERROR", "CARD NOT INITIALIZED", "CARD FULL" or "NO CARD" appears, see P.89.

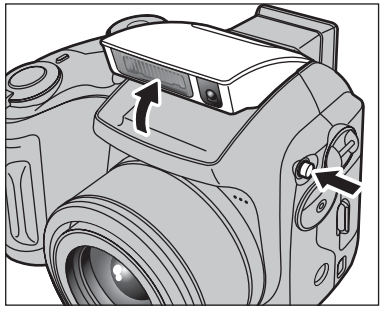
## 2




Press the "EVF/LCD" button to alternate the display between the viewfinder (EVF) and the LCD monitor. Press the "EVF/LCD" button to select the viewfinder (EVF).

The EVF/LCD selection is retained even when the camera is off or the Mode dial setting is changed.

## 3



Press the Flash pop-up button to pop up the flash.

- When the flash pops up, the image may disappear and go dark briefly due to flash charging. The indicator lamp blinks orange during charging.
- If the flash is used in dusty conditions or when it is snowing, white dots may appear in the image. This is due to the flash reflecting off the dust particles or snowflakes. Use Suppressed flash mode to fix the problem.

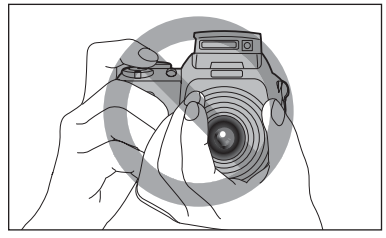
## 4

Brace your elbows against your sides and hold the camera with both hands. Position your right thumb so that it is handy for using the zoom.

- Moving the camera while shooting gives a blurred picture (camera shake). Use a tripod to avoid camera shake, particularly for shots in the dark when the selected flash mode is Suppressed flash.
- There may be some uneven brightness at the lower edge of the screen. This is normal and does not affect the image.



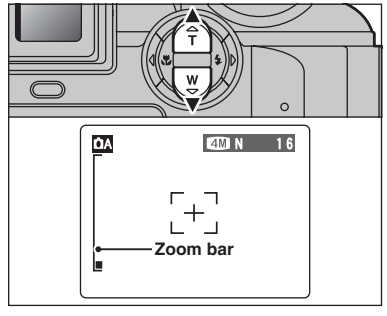
## 5



Hold the camera so that your fingers or the strap do not cover the lens, flash or flash control sensor. If the lens, flash or flash control sensor is obscured, the brightness (exposure) of your shot may be incorrect.

- Check that the lens is clean. If it is dirty, clean the lens as informed on P.85.

## 6




Press "**T** (▲)" Tele zoom button to zoom in. Press "**W** (▼)" Wide zoom button to zoom out. A zoom bar appears on the screen.

- **Optical zoom focal length (35 mm camera equivalent)**
  Approx. 39 mm-234 mm
  Max. zoom scale: 6×

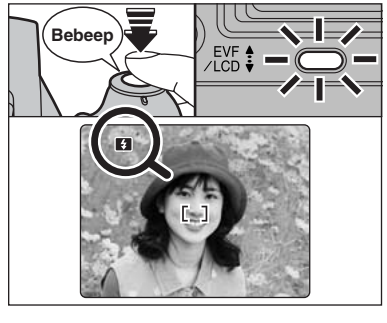
- Zooming pauses briefly when the camera changes between optical zoom and digital zoom (➡P.25). Press the same zoom button again to change zoom modes.

## 7

Use the screen to frame the shot so that the subject fills the entire AF (Autofocus) frame.

- When the subject is not in the AF frame, use AF/AE lock to take the picture (➡P.24).
- The image shown on the screen before the picture is taken may differ in brightness, color, etc. from the image actually recorded. Play back the recorded image to check it (➡P.26).

## 8




Press the shutter button down halfway. When a short double-beep is heard, the camera focuses on your subject. The AF frame on the screen becomes smaller. The indicator lamp (green) changes from blinking to lit.

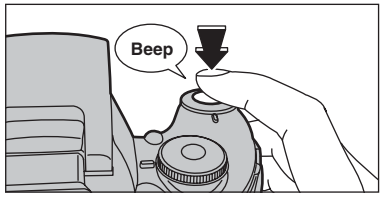
- If the camera does not emit a short double-beep and "!AF" appears on the screen, the camera cannot focus.
- Pressing the shutter button down halfway freezes the image on the screen briefly. This is not the recorded image.
- If "!AF" appears on the screen (e.g. the shot is too dark for the camera to focus), try standing about 2 m (6.6 ft.) from the subject to take the picture.

Before the flash fires, "⚡" appears on the screen.



Continued

**9**




Press the shutter button down fully. When a Beep noise is heard, the camera records the image.

- There is a slight delay between the shutter button being pressed and the picture being taken. Play back the shot to check the image.
- When pressing the shutter button down fully in one motion, the picture is taken without the AF frame changing.
- When the camera takes the picture, the indicator lamp lights orange (shooting disabled). The indicator lamp then turns green and the next picture can be taken.
- When taking a picture using the flash, the image may disappear and go dark as the flash charges. The indicator lamp then blinks orange.
- See P.89-90 for information on the warning displays.

### ◆ Subjects not suitable for autofocus ◆

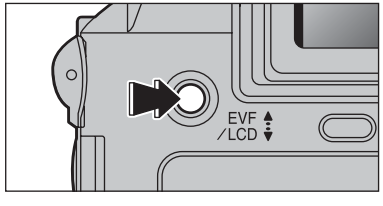
The FinePix S3100 / FinePix S3500 uses a high-precision autofocusing mechanism. However, it may have difficulty focusing on the following:

- Very shiny subjects such as a mirror or car body
- Subjects photographed through glass
- Subjects that do not reflect well, such as hair or fur
- Subjects with no substance, such as smoke or flames
- Dark subjects
- Fast moving subjects
- Subjects with little or no contrast between the subject and the background (such as white walls or subjects dressed in the same color as the background)
- Shots where another high-contrast object (not the subject) is close to the AF frame and is either closer or further away than your subject (such as a shot of someone against a background with strongly contrasting elements)

For such subjects use AF/AE lock (➡P.24).

## USING LCD MONITOR

**1**




When using the LCD monitor to take pictures, press the “EVF/LCD” button to select the LCD monitor.

**2**

Brace your elbows against your sides and hold the camera with both hands. Position of your right thumb so that it is handy for using the zoom.

- Moving the camera while shooting gives a blurred picture (camera shake). Use a tripod to avoid camera shake, particularly for shots in the dark when the selected flash mode is Suppressed flash.

**3**

Use the LCD monitor to frame the shot so that the subject fills the entire AF (Autofocus) frame.

- The image shown on the LCD monitor before the picture is taken may differ in brightness, color, etc. from the image actually recorded. Play back the recorded image to check it (➡P.26).

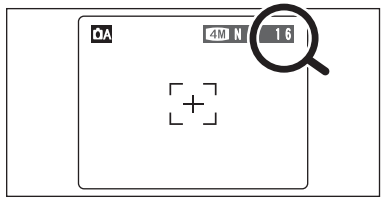


## INDICATOR LAMP DISPLAY

| Display | Status |
|---|---|
| Lit green | Ready to shoot |
| Blinking green | AF/AE in progress, camera shake warning or AF warning (ready to shoot) |
| Blinking green and orange alternately | Recording to **xD-Picture Card** (ready to shoot) |
| Lit orange | Recording to **xD-Picture Card** (not ready) |
| Blinking orange | Charging the flash (flash will not fire) |
| Blinking green (1-second intervals) | Camera in Power save mode (➡P.61) |
| Blinking red | ● **xD-Picture Card** Warnings<br>No card inserted, card not formatted, incorrect format, card full, **xD-Picture Card** error<br>● Lens operation error |

✻ Detailed warning messages appear on the screen (➡P.89, 90).

## NUMBER OF AVAILABLE FRAMES




The number of available frames appears on the screen.

- See P.38 for information on changing the quality setting.
- The default quality “” set at shipment is “4M N”.

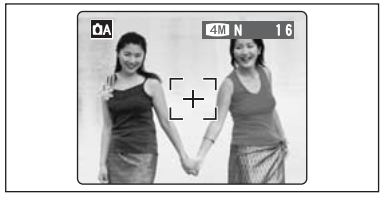
### ■ Standard number of frames per xD-Picture Card

The table below shows the standard number of frames for a new **xD-Picture Card** formatted on the camera. The larger the **xD-Picture Card** capacity, the bigger the difference between the actual number of frames and the number shown here. Also, the size of an image file varies depending on the subject. So the number of remaining shots may decrease by 2 or may remain the same. For this reason, the number displayed may not show the actual number of frames.

| Quality setting | 4M F | 4M N | 2M | 1M | 03M |
|---|---|---|---|---|---|
| Number of recorded pixels | 2272 × 1704 | 2272 × 1704 | 1600 × 1200 | 1280 × 960 | 640 × 480 |
| DPC-16 (16 MB) | 8 | 16 | 25 | 33 | 122 |
| DPC-32 (32 MB) | 16 | 32 | 50 | 68 | 247 |
| DPC-64 (64 MB) | 33 | 66 | 101 | 137 | 497 |
| DPC-128 (128 MB) | 66 | 132 | 204 | 275 | 997 |
| DPC-256 (256 MB) | 134 | 266 | 409 | 550 | 1997 |
| DPC-512 (512 MB) | 268 | 532 | 818 | 1101 | 3993 |

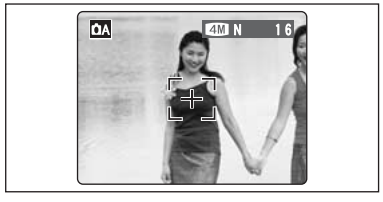
## USING AF/AE LOCK

**1**



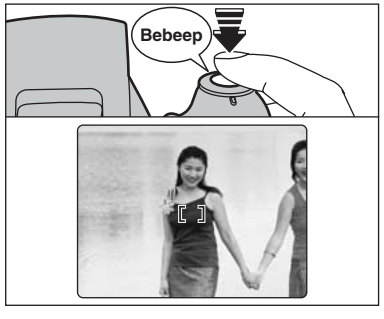
In this shot, the subjects (two people in this case) are not in the AF frame. Taking the picture at this point will result in the subjects being out of focus.

**2**



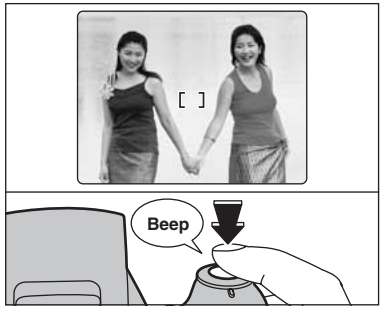
Move the camera slightly so that one of the subjects is in the AF frame.

**3**




Press the shutter button down halfway (AF/AE lock). When a short double-beep is heard, the camera focuses on your subject. The AF frame on the screen becomes smaller. The indicator lamp (green) changes from blinking to lit.

**4**




Continue to hold the shutter button down halfway. Move the camera back to the original image and press the shutter button fully.

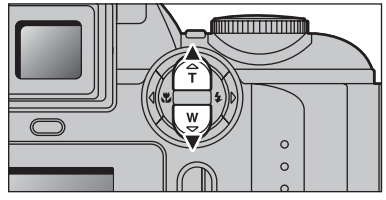
- AF/AE lock can be applied repeatedly before the shutter is released.
- Use AF/AE lock in all Photography modes to make sure excellent results.

### ◆ AF (Autofocus)/AE (Auto-exposure) lock ◆

On the FinePix S3100 / FinePix S3500, pressing the shutter button down half way locks the focus and exposure settings (AF/AE lock). To focus on a subject that is off to one side or to set the exposure before composing the final shot, locks the AF and AE settings. Then compose and take the picture to get the best results.



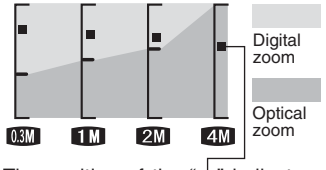
## USING THE ZOOM (OPTICAL ZOOM/DIGITAL ZOOM)




Press the "**T** (▲)" or "**W** (▼)" button to zoom in or out.
The digital zoom can be used with the "2M", "1M" and "0.3M" quality settings.
When zooming changes between optical and digital, the position of the "■" indicator stops. Press the same Zoom button again to start the "■" indicator moving again.

- The digital zoom cannot be used with the "4M" quality setting.
- See P.38 for information on changing the quality setting.
- If the shot goes out of focus during zooming, hold the shutter button down halfway to refocus the shot.

**Zoom bar display**

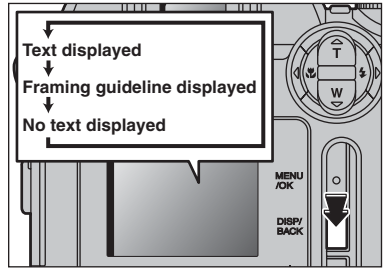



The position of the "■" indicator on the zoom bar shows the zooming status. The area to above the separator indicates digital zooming, while the area to below indicates optical zooming.

- **Optical zoom focal length***
  Approx. 39 mm-234 mm, max. zoom scale: 6×
- **Digital zoom focal lengths***
  2M: approx. 234 mm-327 mm, max. zoom scale: approx. 1.4×
  1M: approx. 234 mm-397 mm, max. zoom scale: approx. 1.7×
  0.3M: approx. 234 mm-795 mm, max. zoom scale: approx. 3.4×

* 35 mm camera equivalents

## BEST FRAMING

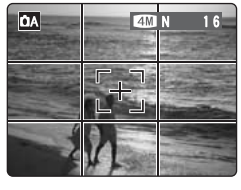



Select the framing guideline in Photography mode. Pressing the "DISP/BACK" button changes the screen display. Press the "DISP/BACK" button until "Framing Guideline" appears.

### ◆ Important ◆

Always use AF/AE lock when composing a shot. The image may be out of focus if AF/AE lock is not used.

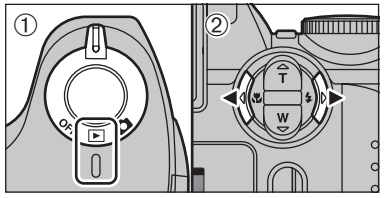
**Scene**



Position the main subject at the intersection of two lines in this frame or align one of the horizontal lines with the horizon. Use this frame as a guide to the subject's size and the balance of the shot while composing a shot.

- The framing guideline is not recorded on the image.
- The lines in the scene frame divide the image into 3 roughly equal parts horizontally and vertically. The resulting printed image may be shifted slightly from the scene frame.

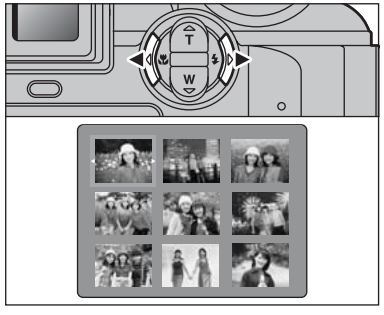
# VIEWING THE IMAGES (▶ PLAYBACK)




## Single-frame playback

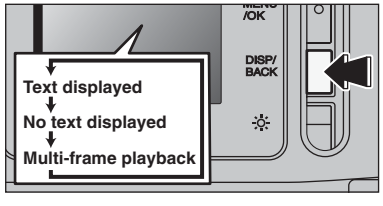
① Set the Power switch to "▶".
② Press "▶" to scan forward through the images. Press "◀" to scan backwards.

- Set the Power switch to "▶" to play back the last shot.
- When the lens is extended during playback, the lens retracts as a protective measure if the camera is not used for 6 seconds.



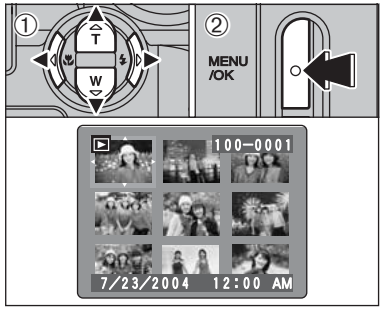

## Selecting images

To select images on the thumbnail lists screen, hold down "◀" or "▶" for 1 second during playback.




## Multi-frame playback

In Playback mode, press the "DISP/BACK" button to change the display shown on the screen. Press the "DISP/BACK" button until the multi-frame playback screen (9 frames) appears.



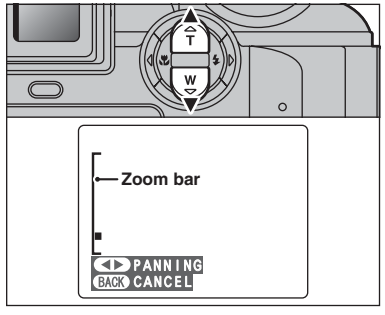

① Press "▲", "▼", "◀" or "▶" to move the cursor (orange frame) to the frame you want to select. Press "▲" or "▼" repeatedly to jump to the next page.
② Press the "MENU/OK" button to enlarge the image.

- The text display disappears on the screen after 3 seconds.

**◆ Still images viewable on the FinePix S3100 / FinePix S3500 ◆**

This camera will display still images recorded on the FinePix S3100 / FinePix S3500 or still images (excluding some uncompressed images) recorded on any FUJIFILM digital camera that supports **xD-Picture Card**s. Clear playback or digital zooming may not be possible for still images shot on cameras other than the FinePix S3100 / FinePix S3500.

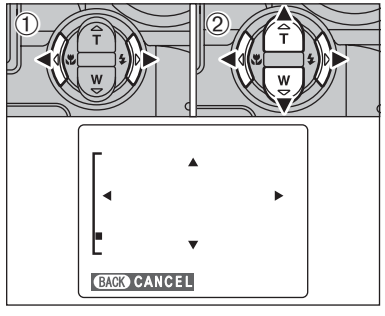





## Playback zoom

Press the "**T** (▲)" or "**W** (▼)" button during single-frame playback to zoom in (enlarge) or out on a still image. A zoom bar appears.
Press the "DISP/BACK" button to return to single-frame playback.

- Playback zoom cannot be used with multi-frame playback.



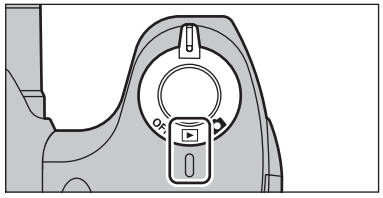

① Press "◀" or "▶" to select "PANNING".
② Press "▲", "▼", "◀" or "▶" to display another area.
Press the "DISP/BACK" button to return to playback zoom.

### ■ Zoom scales

| Quality mode | Max. zoom scale |
|---|---|
| 4M (2272 × 1704) | Approx. 14× |
| 2M (1600 × 1200) | Approx. 10× |
| 1M (1280 × 960) | Approx. 8× |
| 0.3M (640 × 480) | Approx. 4× |

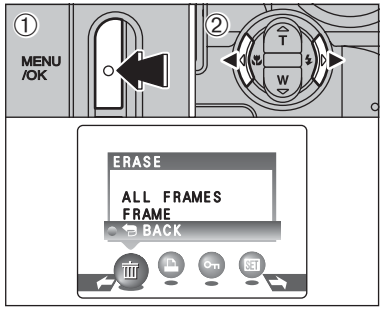
# ERASING IMAGES (🗑 ERASE FRAME)

**1**



Set the Power switch to "▶".

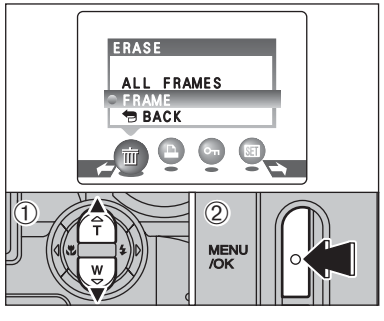
**2**




① Press the "MENU/OK" button during playback to display the menu on the screen.
② Press "◀" or "▶" to select "🗑" ERASE.

Erased frames (files) cannot be recovered. Back up important frames (files) onto your PC or another media.

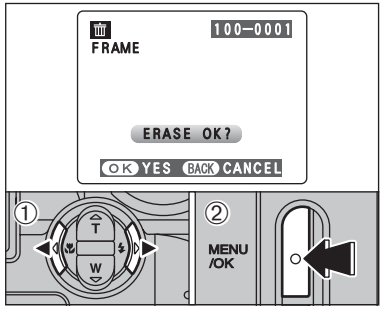
**3**




① Press "▲" or "▼" to select "FRAME".
② Press the "MENU/OK" button to confirm the selection.
See P.43 for information on "ALL FRAMES".

To return to single-frame playback, press "▲" or "▼" to select "BACK" and then press the "MENU/OK" button.

**4**




① Press "◀" or "▶" to select the frame (file) to be erased.
② Press the "MENU/OK" button to erase the displayed frame (file).
To erase another image, repeat steps ① and ②.
Press the "DISP/BACK" button to cancel single frame erasing.

Press the "MENU/OK" button repeatedly to erase consecutive image. Take care not to erase important images.





# TAKING PICTURES — SELECTING THE CAMERA SETTINGS

**Consider the scene you are photographing and the sort of image you want to achieve when you specify the camera settings. A general guide is given below.**

## 1 Select the Photography mode (➡P.30, 31).

| | | |
|---|---|---|
| AUTO | Auto | Leaves the "EV" and "White balance" settings to the camera. |
| | Scene position | Selects the best setting for the scene being shot. |
| M | Manual | Sets the "EV", "White balance", "Flash brightness adjustment", "Aperture-priority" and "Sharpness" to manual to easily control yourself. |

## 2 Specify the photography settings (➡P.32-42).

| | | |
|---|---|---|
| | Macro | Uses for close-up shots. |
| | Flash | Uses for shots in dark locations or for backlit subjects, etc. |
| | Increasing monitor brightness | This is useful when you are checking the shot composition for dimly lit scenes (Slow synchro shots, etc.). |
| | Quality | Set the size of the recorded image when the picture is taken. The size set is matched to the intended use of the print size. |
| | Self-timer | Uses in situations such as group shots where the photographer is included in the shot. |
| | Flash brightness adjustment | Change this setting to adjust the amount of light emitted by the flash to suit the photography conditions or to achieve a desired effect. |
| | EV (Exposure compensation) | Uses the AE exposure as a reference value of 0. This function brightens (+) or darkens (–) the shot. |
| WB | White balance | Uses to fix the white balance to suit the photography conditions and lighting. |
| A | Aperture-priority | Use this mode for shots that have the background out of focus (large aperture) or have both near and far objects in focus (small aperture). |
| S | Sharpness | Use this setting to soften or emphasize outlines or to adjust the quality of the image. |

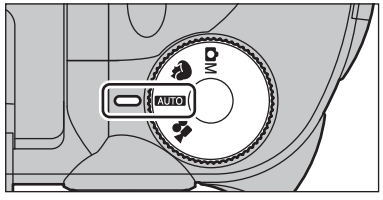
## 3 Take the pictures

### ■ Photography mode specifications

| | | | | Default Setting | AUTO | M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ◀ | MACRO | | P.32 | OFF | YES | YES | NO | NO | NO | NO |
| ▶ | FLASH | Auto flash | P.34 | A | YES | YES | YES | NO | YES | NO |
| | | Red-eye reduction | P.34 | | YES | YES | YES | NO | NO | NO |
| | | Forced flash | P.34 | | YES | YES | YES | NO | YES | NO |
| | | Slow synchro | P.35 | | NO | YES | YES | NO | NO | YES |
| | | Red-eye reduction + Slow synchro | P.35 | | NO | YES | YES | NO | NO | YES |
| Increasing monitor brightness | | | P.36 | OFF | YES | YES | YES | | | |
| Menu | Quality | | P.38 | 4M N | YES | YES | YES | | | |
| | Self-timer | | P.39 | OFF | YES | YES | YES | | | |
| | Flash brightness adjustment | | P.41 | 0 | NO | YES | NO | | | |
| | EV (Exposure Compensation) | | P.41 | 0 | NO | YES | NO | | | |
| | White balance | | P.42 | AUTO | NO | YES | NO | | | |
| | Aperture-priority | | P.42 | AUTO | NO | YES | NO | | | |
| | Sharpness | | P.42 | NORMAL | NO | YES | NO | | | |

# PHOTOGRAPHY MODE SELECTOR

## AUTO AUTO

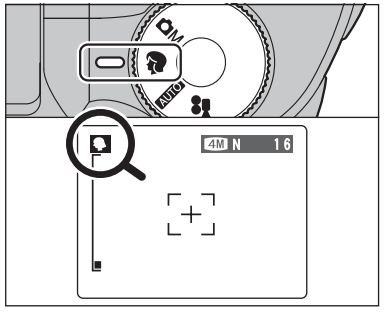


Set the Mode dial to "AUTO".
This is the easiest mode to use and can be used for most types of shots.

See P.29 for information on available flashes.

## SCENE POSITION

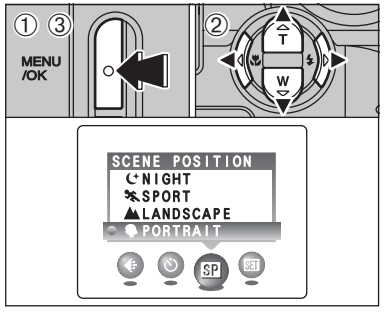
1




Set the Mode dial to "".
This mode provides options tailored to different types of scene.

Macro mode cannot be used with any of the SP modes.

2

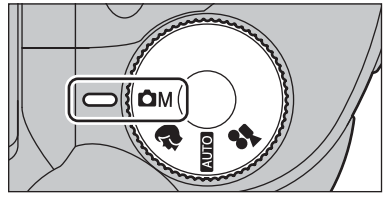



Choose the SCENE POSITION from 4 types of scenes (, ▲, and ).
① Press the "MENU/OK" button to display the menu.
② Press "◄" or "►" to select "SP" SCENE POSITION and then press "▲" or "▼" to change the setting.
③ Press the "MENU/OK" button to confirm the selection.

| | Explanation | Available flash modes |
|---|---|---|
| PORTRAIT | This is the best mode for shooting portrait. Skin tones are shown beautifully and the overall tone is soft. | A / / / S / SLOW |
| ▲ LANDSCAPE | This is the best mode for shooting scenery in daylight and provides crisp, clear shots of scenery such as buildings and mountains. | Flash not available. When the flash is popped up, "" appears. |
| SPORT | This is the best mode for shooting sporting events. This mode gives priority to faster shutter speeds. | A / |
| NIGHT | This is the best mode for evening and night scene. This mode allows you to take shots where priority is given to slow shutter speeds of up to 2 seconds. To avoid camera shake, always use a tripod. | S / SLOW |



## M MANUAL

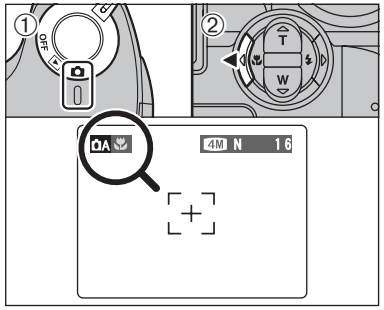



Set the Mode dial to "M".
This is the mode for specifying EV (Exposure compensation), white balance, Flash brightness adjustment, Aperture-priority and Sharpness settings.

See P.29 for information on available flashes.

| | Explanation | Page |
|---|---|---|
| Flash brightness adjustment | Use this setting to adjust the amount of light emitted by the flash to suit the photography conditions or to achieve a desired effect. | 41 |
| EV (Exposure compensation) | Use the AE exposure as a reference value of 0, this function brightens (+) or darkens (–) the shot. | 41 |
| WB White balance | Use to fix the white balance to suit the photography conditions and lighting. | 42 |
| A Aperture-priority | This is an automatic mode to set the aperture. Use this mode for shots that have a background out of focus (large aperture) or have both near and far objects in focus (small aperture). | 42 |
| S Sharpness | Use this setting to soften or emphasize outlines or to adjust the quality of the image. | 42 |

# MACRO (CLOSE-UP)




Select Macro mode to take close-up shots.

① Set the Power switch to "📷".

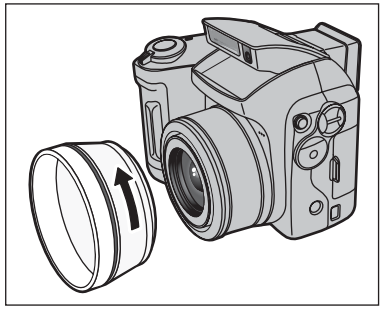
② Press the "🌷 (◀)" Macro button. The "🌷" appears on the screen indicating that you can take close-up shots.

To cancel Macro mode, press the "🌷 (◀)" Macro button again.

- **Focal range**
  Approx. 0.1 m to 0.8 m (3.9 in. to 2.6 ft.)
- **Effective flash range**
  Approx. 0.3 m to 0.8 m (1.0 ft. to 2.6 ft.)

- Any of following cancels Macro mode:
  - Changing the Mode dial setting
  - Turning the camera off
- Select the appropriate flash mode for the conditions.
- Use a tripod to avoid camera shake when shooting in the dark (when "!🌷" appears).
- The lens is fixed at the wide-angle zoom setting and only the digital zoom can be used.

### ◆ When using the flash ◆



When using the flash in Macro mode, remove the lens adapter ring.
If the adapter ring is not removed, a shadow may appear in the bottom center of your shot.

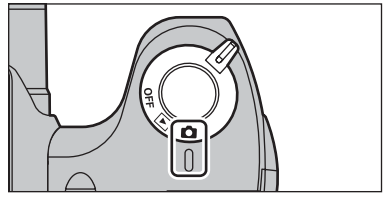




# FLASH

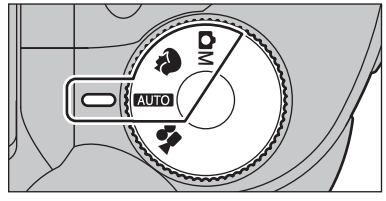
Choose from 6 flash modes according to the type of shot.

**1**



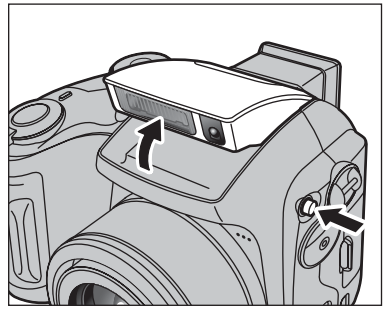

Set the Power switch to "📷".

**2**




Set the Mode dial to "AUTO", "🌷" or "📷M" mode.

**3**

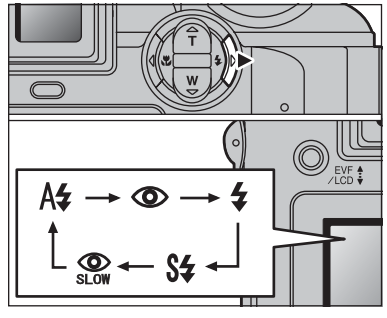


Press the Flash pop-up button to pop-up the flash.

- **Effective flash range (AUTO)**
  Wide-angle: approx. 0.3 m to 3.5 m
  (1.0 ft. to 11.5 ft.)
  Telephoto: approx. 0.8 m to 3.5 m
  (2.6 ft. to 11.5 ft.)

- When the flash pops up, the image may disappear and go dark briefly due to flash charging. The indicator lamp blinks orange during charging.

**4**




The flash setting changes each time you press the "ϟ (▶)" Flash button. The last flash mode shown is the mode selected.

- If the flash is used in dusty conditions or when it is snowing, white dots may appear in the image due to flash reflecting off the dust particles or snowflakes. Use Suppressed flash mode.
- When taking a picture using the flash, the image may disappear and go dark as the flash charges. The indicator lamp then blinks orange.
- The available Flash modes are limited depending on the Photography menu selected (➡P.29).

Press the shutter button down halfway. "ϟ" appears on the screen when the flash is used.



Continued

## Auto flash

Use this mode for ordinary photography. The flash fires as required by the shooting conditions.

If pressing the shutter button while the flash is charging, the picture will be taken without the flash.

## Red-eye reduction

Use this mode to make sure that the subject's eyes appear normal when taking pictures of people in low-light conditions. The flash fires a pre-flash just before the picture is taken and then fires again to take the actual picture. The flash fires as required by the shooting conditions.

If pressing the shutter button while the flash is charging, the picture will be taken without the flash.

### ◆ Red-eye effect ◆

When using the flash to take a picture of people in low-light conditions, their eyes sometimes appear red in the picture. This is caused by the light of the flash reflecting off the inside of the eye. Use Red-eye reduction flash to minimize the likelihood of this effect.
Take the following measures to make Red-eye reduction more effective:
- Get the subjects to look at the camera.
- Get as close as possible to the subjects.

## Forced flash

Use this mode in backlit scenes, such as a subject against a window or in the shade of a tree, or to get the correct colors when taking a picture under bright lighting. In this mode, the flash fires in bright as well as dark conditions.

## Slow synchro

This is a flash mode that uses a slow shutter speed. This allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop. To avoid camera shake, always use a tripod.

- **Slowest shutter speed**
  "☾" **Night:** up to 2 sec.

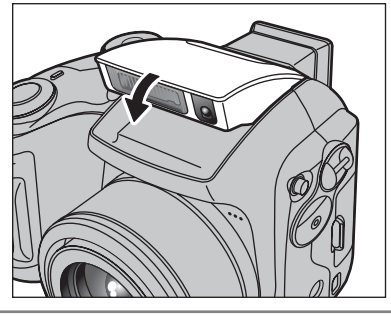
## Red-eye reduction + Slow synchro

Use this mode for Slow synchro shots with Red-eye reduction.

The image may be overexposed when shooting bright scenes.

To take a picture of a main subject at night with the background brightly lit, use the "☾" (Night) setting in Scene position (➡P.30).

### ◆ Suppressed flash ◆



Pressing the flash down changes the camera to Suppressed flash mode.
Use this mode for taking pictures using indoor lighting, for shots taken through glass, and for photography in places such as theaters or at indoor sporting events where the distance is too great for the flash to be effective. When you use Suppressed flash, the selected white balance function (➡P.42) operates so that natural colors are captured along with the ambience of the available light.

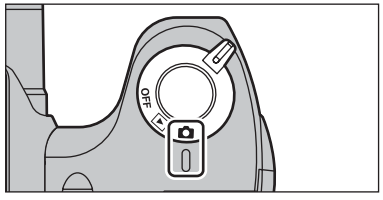
Use a tripod to avoid camera shake, particularly for shots in the dark when the selected flash mode is Suppressed flash.
See P.23, 89 for information on the camera shake warning.

PHOTOGRAPHY FUNCTIONS

# INCREASING MONITOR BRIGHTNESS

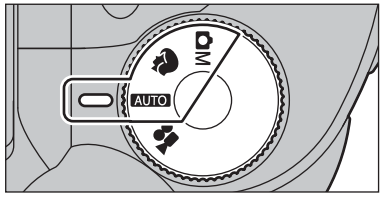
This is useful when checking the shot composition for dimly lit scenes (Slow synchro shots, etc.).

**1**



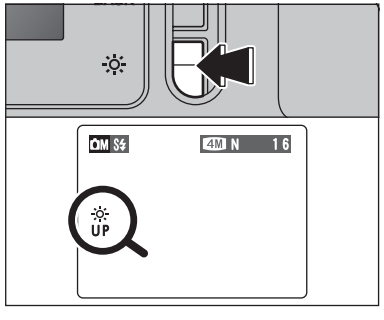

Set the Power switch to "📷".

**2**




Set the Mode dial to "AUTO", "🙂" or "📷M" mode.

**3**




Press the "☼" Low Light Viewfinder button.
"☼" appears on the screen and the subject is displayed brightly.
To cancel increased brightness:
Press the "☼" Low Light Viewfinder button again.
This function is automatically cancelled after each shot.

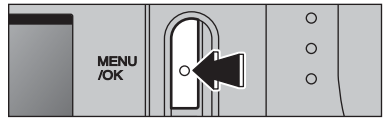
- This function is purely for checking the composition of your shot. It does not increase the brightness of the photographed image.
- Even if you increase the brightness in dark locations, you may not see the subject.
- To maintain the monitor brightness, specify the desired setting in the "☼ EVF/LCD" (LCD monitor brightness) adjustment in the settings menu. The adjustment is retained even after taking pictures or turning camera off. (See P.58 for details.)



PHOTOGRAPHY MENU

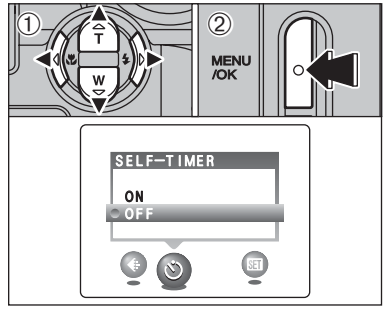
# PHOTOGRAPHY MENU OPERATION

**1**



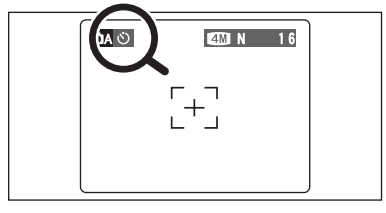

Press the "MENU/OK" button to display the menu on the screen.

**2**




① Press "◀" or "▶" to select the menu item and "▲" or "▼" to change the setting.
② Press the "MENU/OK" button to confirm the setting.

**3**




When you enable the setting, an icon appears in the top-left corner of the screen.

- The settings available in the menu screen vary depending on the Photography mode.

**Quality** ➡P.38

Set the size of the recorded image when the picture is taken. The size set is matched to the intended use of the print size.

**Self-timer** ➡P.39

Use this setting for taking pictures such as group shots where the photographer is included in the shot.

**Scene position** ➡P.40

Specify "🙂" Portrait, "▲" Landscape, "🏃" Sport or "🌙" Night.

**Flash brightness adjustment** ➡P.41

Change this setting to adjust the amount of light emitted by the flash to suit the photography conditions or to achieve a desired effect.

**EV** ➡P.41

Set when the correct exposure cannot be obtained.

**White balance** ➡P.42

Change this setting to take a picture with the white balance fixed for the surroundings and lighting when the picture is taken.

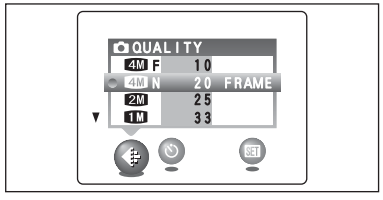
**Aperture-priority** ➡P.42

This is an automatic mode to set the aperture. Use this mode for shots that have the background out of focus (large aperture) or have both near and far objects in focus (small aperture).

**Sharpness** ➡P.42

Use this setting to soften or emphasize outlines or to adjust the quality of the image.

## QUALITY SETTINGS IN PHOTOGRAPHY MODE



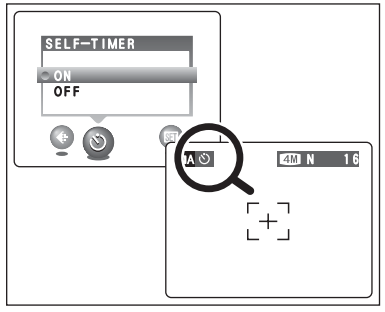

Choose from 5 settings. Using the table below as a guide, select the setting that best suits the aims.

- The numbers to the right of each setting show the number of available frames.
- When changing the quality setting, the number of available frames also changes (➡P.23).

| Quality mode | Sample Uses |
|---|---|
| 4M F (2272 × 1704) | Printing at up to 6R (15.2 × 20.3 cm) / A5 size<br>For better quality, select "4M F". |
| 4M N (2272 × 1704) | |
| 2M (1600 × 1200) | Printing at up to 4R (10.2 × 15.2 cm) / A6 size |
| 1M (1280 × 960) | Printing at up to 3R (8.9 × 12.7 cm) size |
| 0.3M (640 × 480) | To use for e-mail or web site |

## SELF-TIMER PHOTOGRAPHY

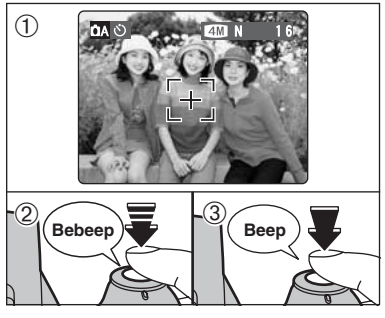
**1**




The self-timer is used in situations where the photographer is included in the shot.
When setting the self-timer to "ON", "⏲" appears on the screen.
In this mode, a timer runs for roughly 10 seconds before the shutter is released.

- Any of following cancels the self-timer setting:
  - Completing the shooting
  - Changing the Mode dial setting
  - Turning the camera off

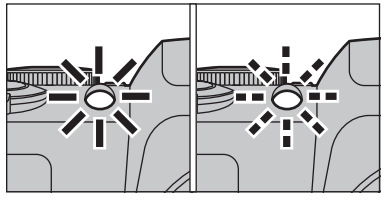
**2**




① Position the AF frame over the subject.
② Press the shutter button down halfway to focus on the subject.
③ Without releasing the shutter button, press the button all the way down (fully pressed) to start the self-timer.

- The AF/AE lock can be used (➡P.24).
- Take care not to stand in front of the lens when pressing the shutter button as this can prevent the correct focus or brightness (exposure) being got.

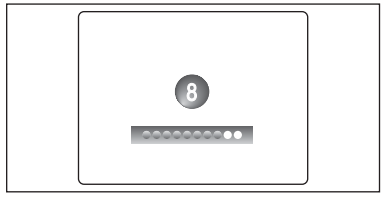
**3**



The self-timer lamp lights steadily for roughly 5 seconds and then blinks for another 5 seconds, after which the picture is taken.

- To stop the self-timer, once it has started running, press the "DISP/BACK" button.

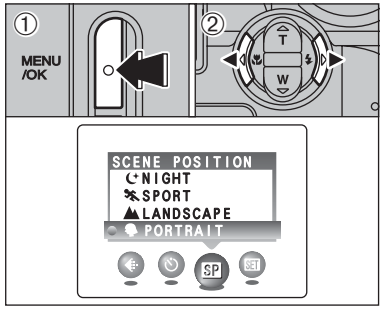
**4**




A countdown appears on the screen indicating the time remaining until the picture is taken.
Self-timer mode is cancelled after each shot.

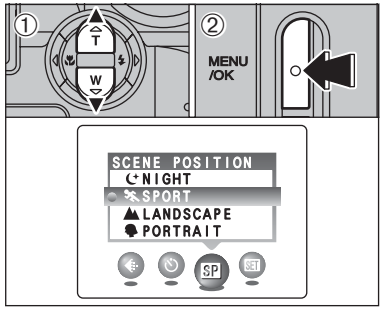
## SP SCENE POSITION

**1**




Select Scene position in the "🙂" Photography mode.
① Press the "MENU/OK" button to display the menu on the screen.
② Press "◀" or "▶" to select "SP" SCENE POSITION.

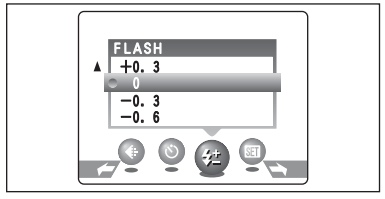
**2**




① Press "▲" or "▼" to select scene.
② Press the "MENU/OK" button to confirm the selection.

| Scene | Explanation | Available flash modes |
|---|---|---|
| PORTRAIT | This is the best mode for shooting portraits. Skin tones are shown beautifully and the overall tone is soft. | A⚡ / 👁 / ⚡ / S⚡ / SLOW |
| LANDSCAPE | This is the best mode for shooting scenery in daylight and provides crisp, clear shots of scenery such as buildings and mountains. | Flash not available. When the flash is popped up, "⊘" appears. |
| SPORT | This is the best mode for shooting sporting events. This mode gives priority to faster shutter speeds. | A⚡ / ⚡ |
| NIGHT | This is the best mode for evening and night scenes. This mode allows you to take shots where priority is given to slow shutter speeds of up to 2 seconds. To avoid camera shake, always use a tripod. | S⚡ / SLOW |

## ⚡± FLASH BRIGHTNESS ADJUSTMENT

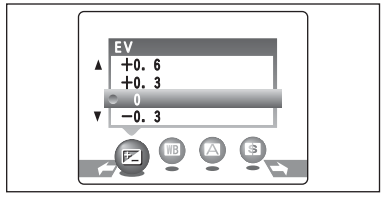



Select Flash brightness in the "📷M" Photography mode. Use this setting to change the amount of light emitted by the flash to suit the photography conditions or to achieve a desired effect.

- **Compensation range:** ±2 leveles
  –0.6 EV to +0.6 EV in approx. 0.3 EV increments (total: 5 levels selectable)
  See P.95 for information on EV.

Depending on the type of subject and the shooting distance, brightness adjustment may have no effect.

## EV (EXPOSURE COMPENSATION)




Select EV in the "📷M" Photography mode.
Use this function for shots to get the correct brightness (exposure), such as shots with extremely high contrast between the subject and the background.

- **Compensation range**
  –2.1 EV to +1.5 EV (13 steps in 0.3 EV increments)
  See P.95 for more information on EV.

Exposure compensation is disabled in the following situations:
- When the flash is used in Auto or Red-eye reduction mode
- When dark scenes are shot in Forced flash mode

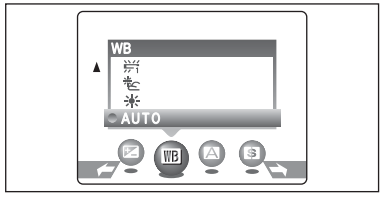
### ◆ To obtain the optimum brightness ◆

Adjust the exposure compensation according to the level of brightness or darkness in the image.

- When the subject appears too bright, try a negative (–) compensation setting. This will make the overall image darker.
- When the subject appears too dark, try a positive (+) compensation setting. This will make the overall image brighter.

■ Guide to compensation
- Backlit portraits: +0.6 EV to +1.5 EV
- Very bright scenes (such as snowfields) and highly reflective subjects: +0.9 EV
- Shots made up predominantly of sky: +0.9 EV
- Spotlight subjects, particularly against dark backgrounds: –0.6 EV
- Scenes with low reflectivity, such as shots of pine trees or dark foliage: –0.6 EV

## WB WHITE BALANCE (SELECTING THE LIGHT SOURCE)



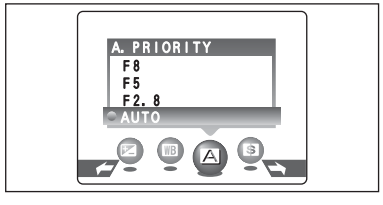

Select white balance in the "📷M" Photography mode. Change the white balance setting to take a picture with the white balance fixed for the surroundings and lighting.
In AUTO mode, the correct white balance may not be achieved for subjects such as close-ups of people's faces and pictures taken under a special light source. Select the correct white balance for the light source. See P.95 for more information on the white balance.

The color tones may vary depending on the shooting conditions (light source, etc.).

AUTO: Automatic adjustment (shooting to show the ambience of the light source)
☀: Shooting outdoors in fine weather
⛅: Shooting in shade
: Shooting under "Daylight" fluorescent lamps
: Shooting under "Warm White" fluorescent lamps
: Shooting under "Cool White" fluorescent lamps
: Shooting in incandescent light

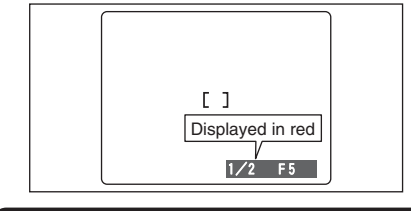
✻ When the flash fires, the white balance setting for the flash is used. Consequently, to achieve a particular effect, the flash mode should be set to Suppressed flash (➡P.35).

## A APERTURE-PRIORITY




Select aperture-priority in the "📷M" Photography mode.
This is an automatic mode to set the aperture. Use this mode for shots that have the background out of focus (large aperture) or have both near and far objects in focus (small aperture).

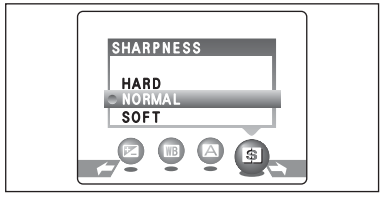
- **Aperture settings:** AUTO/F2.8/F5/F8
  **Shutter speed (auto):** 1/2 sec. to 1/1500 sec.




If the shutter speed appears in red when pressing the shutter button down halfway, the shot is overexposed or underexposed. Change the aperture setting until the correct exposure is obtained.

The aperture setting shown is the value at the wide-angle zoom setting. The actual aperture value varies depending on the focal length of the optical zoom.

## S SHARPNESS



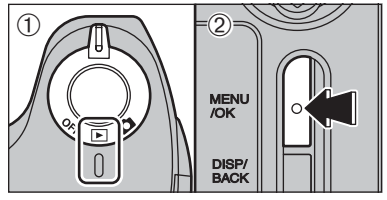

Select Sharpness in the "📷M" Photography mode. Use this setting to soften or emphasize outlines or to adjust the quality of the image.

**HARD:** Emphasizes the outlines. Best for shots of subjects such as buildings or text where sharp images are desirable.
**NORMAL:** Best for ordinary photography. Provides edge sharpness that is ideal for most picture taking situations.
**SOFT:** Softens the outlines. Best for shots of subjects such as people, where a softer image is desirable.





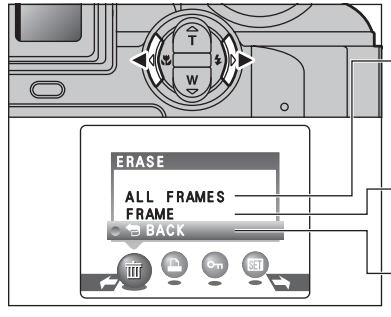
**1**




① Set the Power switch to "▶".
② Press the "MENU/OK" button to display the menu on the screen.

Erased frames (files) cannot be recovered. Back up important frames (files) onto your PC or another media.

**2**




Press "◀" or "▶" to select "🗑" ERASE.

### ALL FRAMES

Erases all unprotected frames (files).
Back up important frames (files) onto your PC or another media.

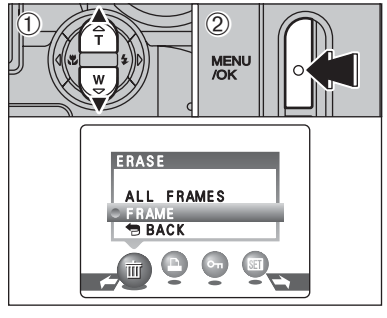
### FRAME

Erases only the selected frame (file).

### BACK

Returns to playback without erasing any frames (files).

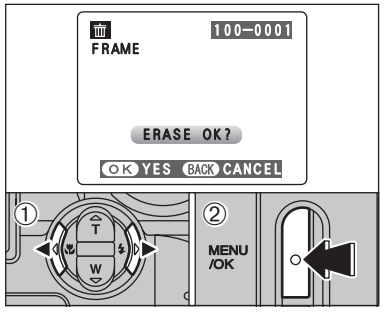
**3**




① Press "▲" or "▼" to select "ALL FRAMES" or "FRAME".
② Press the "MENU/OK" button.



Continued

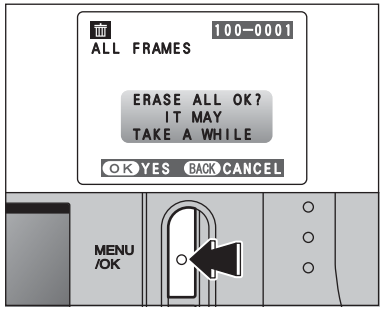



## FRAME

① Press "◀" or "▶" to select the frame (file) to be erased.
② Press the "MENU/OK" button to erase the currently displayed frame (file).

To erase another frame (file), repeat steps ① and ②. When you have finished erasing frames (files), press the "DISP/BACK" button.

- Pressing the "MENU/OK" button repeatedly erases consecutive frames (files). Take care not to erase a frame (file) by mistake.
- Protected frames (files) cannot be erased. Unprotect the frames (files) before erasing them (➡P.49).



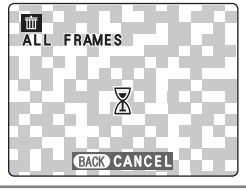

## ALL FRAMES

Pressing the "MENU/OK" button erases all the frames (files).

- Protected frames (files) cannot be erased. Unprotect the frames (files) before erasing them (➡P.49).

If "DPOF SPECIFIED. ERASE OK ?" or "DPOF SPECIFIED. ERASE ALL OK ?" appears, press the "MENU/OK" button again to erase the frames (files).

### ◆ To stop the procedure midway ◆




Press the "DISP/BACK" button to cancel erasing of all the frames (files). Some unprotected frames (files) will be left unerased.

- Even if you stop the procedure immediately, some frames (files) will be erased.





## HOW TO SPECIFY PRINT OPTIONS (DPOF)

DPOF™

DPOF stands for Digital Print Order Format and refers to a format that is used for recording printing specifications for images shot using a digital camera on media such as an **xD-Picture Card**. The recorded specifications include information on which frames are to be printed.

This section gives a detailed description of how to order your prints with the FinePix S3100 / FinePix S3500.
On the FinePix S3100 / FinePix S3500, you can specify only one print per image in the DPOF settings.

- ✻ Note that some printers do not support date and time imprinting or specification of the number of prints.
- ✻ Note that the warnings shown below may be displayed while you are specifying the prints.

DPOF SPECIFIED. ERASE OK ?
DPOF SPECIFIED. ERASE ALL OK ? (➡P.44)

When erasing the image, the DPOF setting for that image is deleted at the same time.

RESET DPOF OK ? (➡P.46)

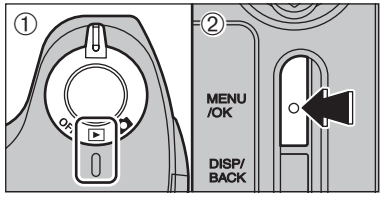
When inserting an **xD-Picture Card** that contains images specified for printing by another camera, those print specifications are all reset and replaced by the new print specifications.

DPOF FILE ERROR (➡P.90)

Up to 999 images can be specified on the same **xD-Picture Card**.

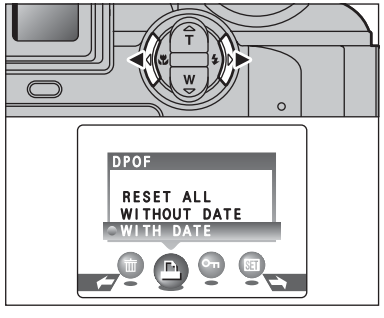
## HOW TO SPECIFY PRINT OPTIONS (FRAME SET/RESET)

**1**

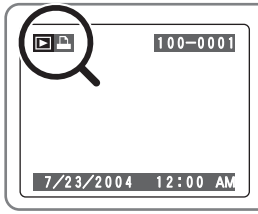



① Set the Power switch to "▶".
② Press the "MENU/OK" button to display the menu on the screen.

**2**

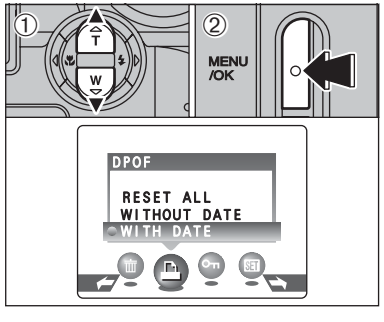



Press "◀" or "▶" to select "🖶" DPOF.




"🖶" appears on the screen during playback when the image has specified DPOF settings.

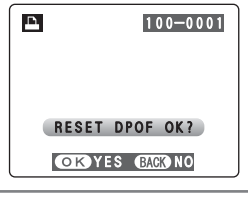
**3**




① Press "▲" or "▼" to select "WITH DATE" or "WITHOUT DATE". Selecting "WITH DATE" will cause the date to be imprinted on your prints.
② Press the "MENU/OK" button.

- When selecting the "WITH DATE" setting, the date is imprinted on your shots using the Print Service or a DPOF-compatible printer (depending on the printer specifications, the date may not be printed in some cases).

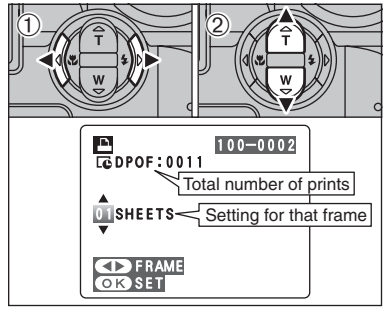
### ◆ When DPOF settings were specified on another camera ◆




When the data includes a frame (file) with DPOF setting that were specified on another camera, "RESET DPOF OK?" appears.
Pressing the "MENU/OK" button erases all of the DPOF settings already specified for each frame (file). Specify the DPOF setting for each frame (file) again.

- Press the "DISP/BACK" button to leave the previous settings unchanged.

**4**

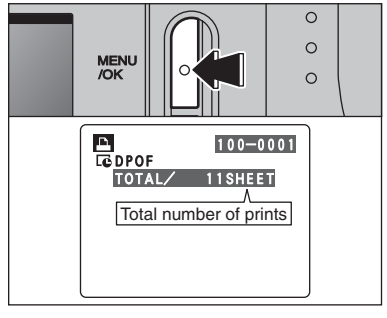



① Press "◀" or "▶" to display the frame (file) for which you want to specify DPOF settings.
② Press "▲" or "▼" to set a value up to 99 as the number of copies of the frame (file) to be printed. For frames (files) that you do not want printed, set the number of prints to 0 (zero).
To specify more DPOF settings, repeat steps ① and ②.

- Prints of up to 999 image frames (files) can be ordered on the same **xD-Picture Card**.
- DPOF settings cannot be specified for movies.

Pressing the "DISP/BACK" button during the settings cancels all the new settings. If there were previous DPOF settings, only the modifications are cancelled.

**5**




**Always press the "MENU/OK" button after the settings are completed.**
Pressing the "DISP/BACK" button cancels that setting.

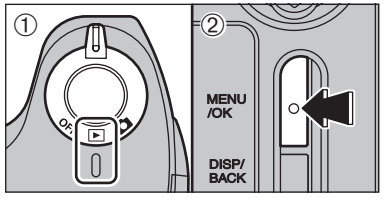
### ◆ Canceling a frame ◆

To cancel the DPOF setting for a frame (file) you have specified (cancel frame), perform steps **1** to **3** and then:
① Press "◀" or "▶" to select the frame (file) with the DPOF setting you want to cancel.
② Set the number of prints to 0(zero).
To cancel the DPOF setting for another frame (file), repeat steps ① and ②.
Press the "MENU/OK" button to complete the settings.

PLAYBACK MENU

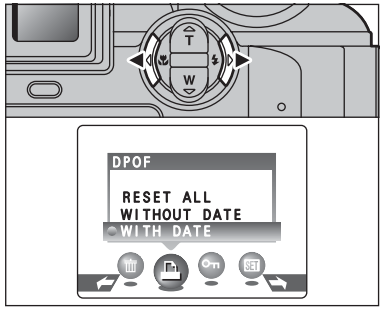
## DPOF SET FRAME (RESET ALL)

**1**



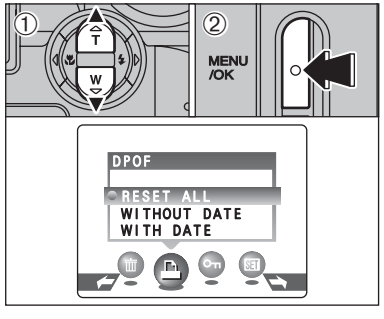

① Set the Power switch to "▶".
② Press the "MENU/OK" button to display the menu on the screen.

**2**



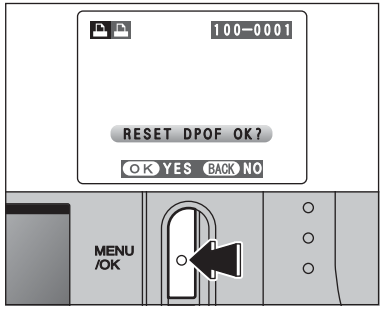

Press "◀" or "▶" to select "🖶" DPOF.

**3**




① Press "▲" or "▼" to select "RESET ALL".
② Press the "MENU/OK" button.

**4**



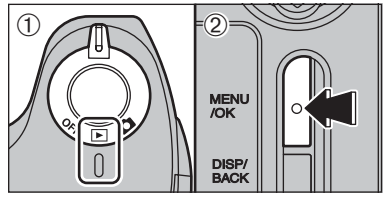

A message appears.
To reset all the DPOF settings, press the "MENU/OK" button.



PLAYBACK MENU

## PROTECTING IMAGES: FRAME / SET ALL / RESET ALL

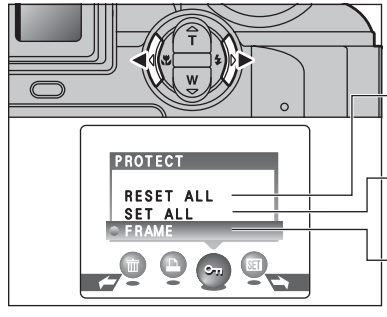
**1**




① Set the Power switch to "▶".
② Press the "MENU/OK" button to display the menu on the screen.

Protection is a setting that prevents frames (files) from being accidentally erased. However, the "FORMAT" function erases all the frames (files), including protected frames (files) (➡P.61).

**2**




Press "◀" or "▶" to select "🔑" PROTECT.

### RESET ALL

Removes the protection from all the frames (files).

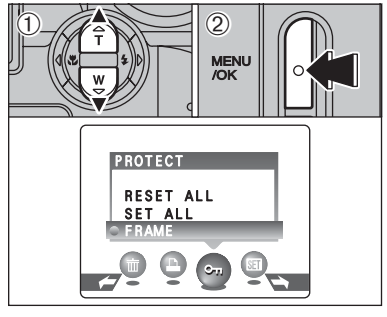
### SET ALL

Protects all the frames (files).

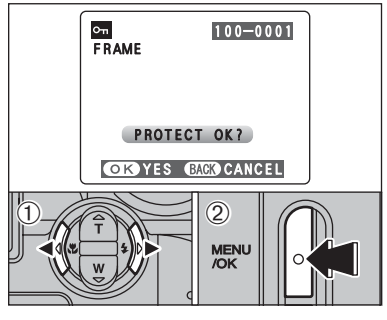
### FRAME

Protects or unprotects only the selected frame (file).

**3**




① Press "▲" or "▼" to select "FRAME", "SET ALL" or "RESET ALL".
② Press "MENU/OK" button to confirm your selection.

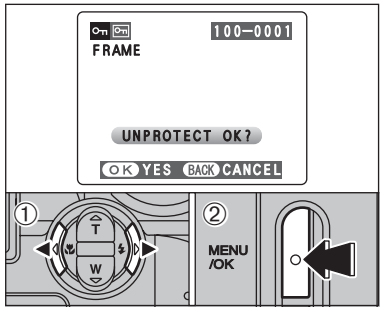



### FRAME SET

① Press "◀" or "▶" to select the frame (file) to be protected.
② Press the "MENU/OK" button to protect the frame (file) currently displayed.
To protect another frame (file), repeat steps ① and ②. To finish protecting frames (files), press the "DISP/BACK" button.

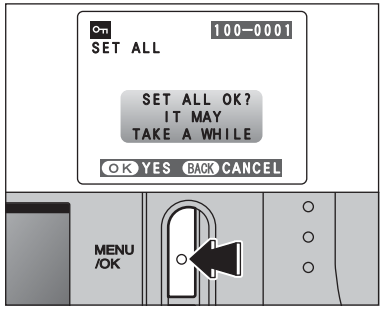


Continued



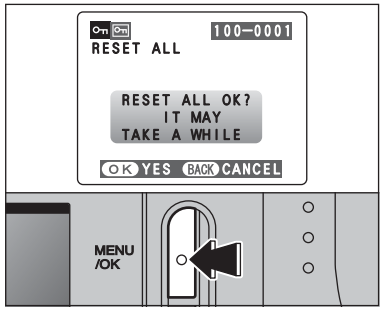

## FRAME RESET

① Press "◀" or "▶" to select the protected frame (file).
② Press the "MENU/OK" button to unprotect the displayed frame (file).




## SET ALL

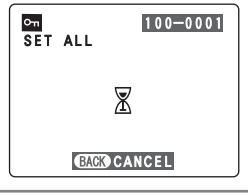
Press the "MENU/OK" button to protect all the frames (files).




## RESET ALL

Press the "MENU/OK" button to unprotect all the frames (files).

### ◆ To stop the procedure midway ◆

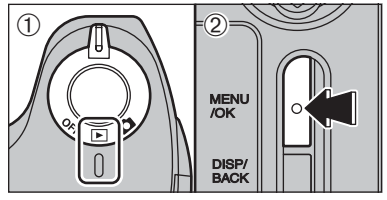



If the images are very large, protecting or unprotecting all the frames (files) may take some time.
If you want to take a picture or record a movie during the procedure, press the "DISP/BACK" button. To then return to protecting or unprotecting all the frames (files), see the procedure on P.49 and begin at step **1**.





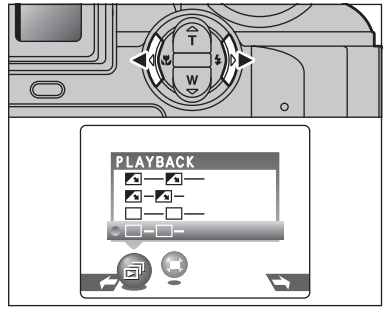
**1**




① Set the Power switch to "▶".
② Press the "MENU/OK" button to display the menu on the screen.

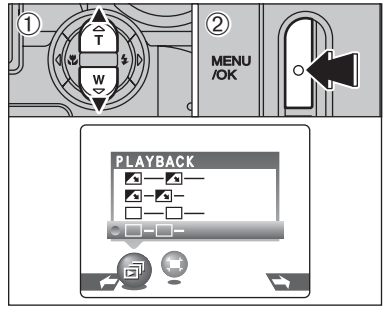
- The Power save function does not operate during playback.
- Movies start automatically. When the movie ends, the playback function moves it on.

**2**




Press "◀" or "▶" to select "PLAYBACK".

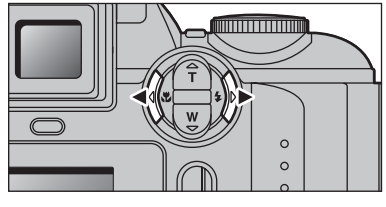
**3**




① Press "▲" or "▼" to select the playback interval and the type of image transition.
② Press the "MENU/OK" button. The image frames are advanced and played back.
To interrupt PLAYBACK, press the "▲" button (or "MENU/OK" button).

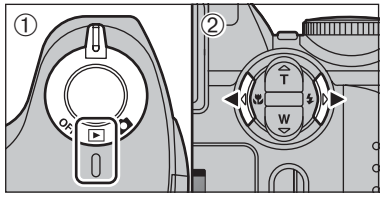
- Press the "DISP/BACK" button once during playback to display the playback frame number and on-screen help.

**4**



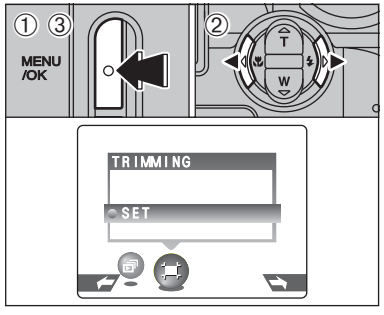

Press "◀" or "▶" to advance or go back through the images.

**1**



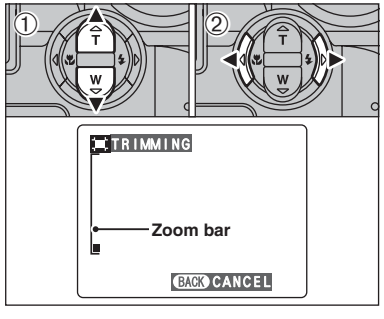

① Set the Power switch to "▶".
② Press "◀" or "▶" to select the frame (file) for which you want to trim.

**2**




① Press the "MENU/OK" button to display the menu on the screen.
② Press "◀" or "▶" to select "▣" TRIMMING.
③ Press the "MENU/OK" button.

**3**

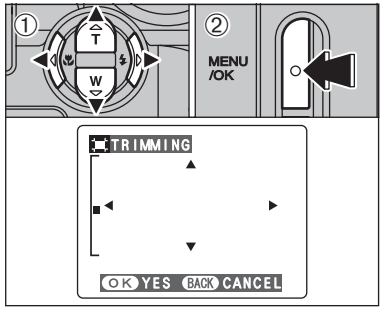



① Press the "**T** (▲)" or "**W** (▼)" button during single-frame playback to zoom in (enlarge) or out on a still image. A zoom bar appears.
② Press "◀" or "▶" to display another part of the image.

Press the "DISP/BACK" button to return to single-frame playback.

Saved image size varies depending on the zoom scale. Up to 03M can be saved.

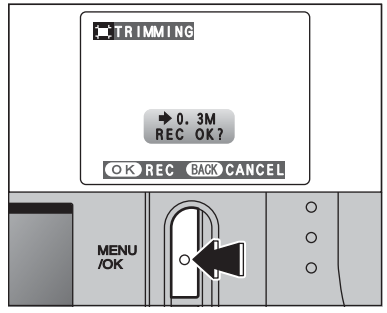
**4**




① Press "▲", "▼", "◀" or "▶" to display another area.
Press the "DISP/BACK" button to return to playback zoom.
② Press the "MENU/OK" button to save the image.



**5**




Check the saved image size and press the "MENU/OK" button. The trimmed image is added as a separate file in the final frame.

### ■ Image Sizes

| | |
|---|---|
| 2M | Printing at up to 4R (10.2 × 15.2 cm) / A6 size |
| 1M | Printing at up to 3R (8.9 × 12.7 cm) size |
| 03M | To use for e-mail or web site |

# MOVIE MODE RECORDING MOVIES

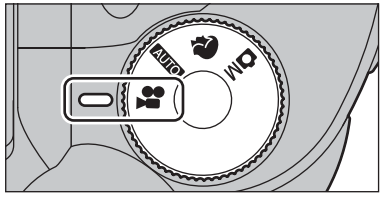
Movies up to 60 seconds long (at the "320" setting) or 240 seconds long (at the "160" setting) can be recorded.

- **Specifications**
  Motion JPEG without sound
- **Quality selection method**
  320 (320 × 240 pixels)
  160 (160 × 120 pixels)
- **Frame rate:** 10 frames per second
  See P.95 for information on the frame rate.

See P.56 for information on changing the quality setting.
The available recording time for a movie may decrease depending on the amount of free space on the **xD-Picture Card**.
See P.94 for the available recording time with **xD-Picture Card**s.

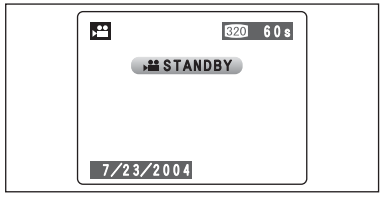
It may not be possible to playback your movies on other cameras.

**1**



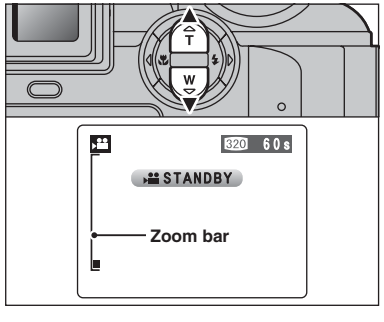

Set the Mode dial to "".

**2**




The available recording time and "STANDBY" appear on the screen.

**3**

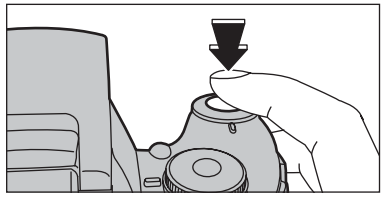



During movie recording, the lens is fixed at the wide-angle zoom setting and only the digital zoom can be used.
Press the "**T** (▲)" or "**W** (▼)" button to zoom in and out. A zoom bar appears on the screen.

- **Digital zoom focal length (35 mm camera equivalent)**
  Approx. 39 mm-132.6 mm
  Max. zoom scale: approx. 3.4×
- **Focal range**
  Approx. 80 cm (2.6 ft.) to infinity

Pictures taken with the digital zoom have slightly lower image quality. Choose the zoom mode that best suits the scene being shot.

**4**

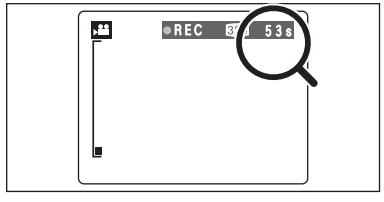


Press the shutter button down fully to start recording.

The brightness and color of the screen shown during movie recording may differ from those shown before recording begins.
There is no need to hold down the shutter button.

Pressing the shutter button down fully fixes the focus, but the exposure is adjusted for to the scene being shot.

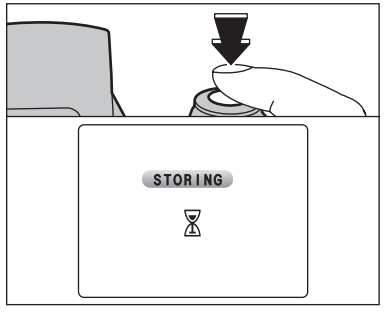
**5**




A counter appears in the top-right corner of the screen during recording. It shows the remaining time.

When the remaining time runs out, recording ends and the movie is saved onto the **xD-Picture Card**.

**6**

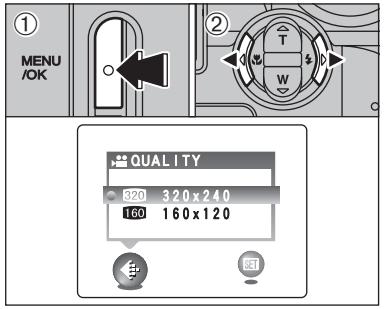



Press the shutter button during recording. Recording ends and the movie is stored on the **xD-Picture Card**.

If recording is stopped immediately after it begins, 1 second of movie is recorded onto the **xD-Picture Card**.

## QUALITY SETTINGS IN MOVIE MODE

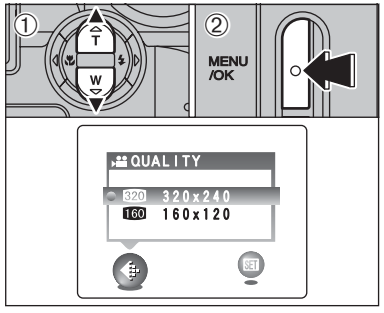
**1**




① Press the “MENU/OK” button to display the menu on the screen.
② Press “◀” or “▶” to select “” QUALITY.

Set the Movie mode before selecting the quality setting (➡P.54).

**2**




① Press “▲” or “▼” to change the setting.
2 levels of quality can be selected. For better image quality, select “320”, and for longer photography time, select “160”.

### ■ Recording times per movie

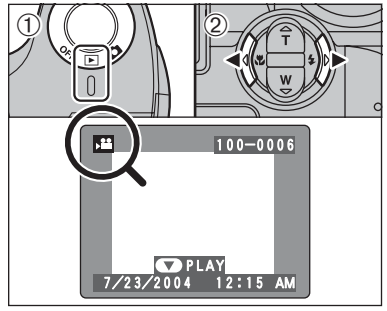
| quality setting | maximum shooting time |
|---|---|
| 320 (320 × 240) | 60 sec. |
| 160 (160 × 120) | 240 sec. |

② Press the “MENU/OK” button to confirm the setting.





**1**

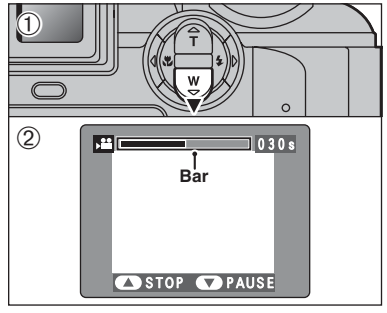



① Set the Power switch to “”.
② Press “◀” or “▶” to select the movie file.

Movies cannot be played back using multi-frame playback. Press the “DISP/BACK” button to select single-frame playback.

Indicated by the “” icon.

**2**




① Press “▼” to play the movie.
② The playback time appears on the screen along with a progress bar.

If the subject of the shot is very bright, white vertical streaks may appear in the image during playback. This is normal.

Movies are displayed one size smaller than still images.

### ■ Playing back movies

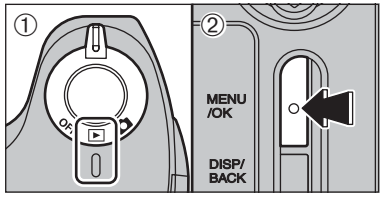
| | Control | Description |
|---|---|---|
| Playback | | Playback begins.<br>Playback stops when the end of the movie is reached. |
| Pause/Resume | | Pauses the movie during playback.<br>Press “▼” again to resume playback. |
| Stop | | Stops playback.<br>✻ Press “◀” or “▶” while playback is stopped to go back to the previous file or advance to the next file respectively. |
| Fast forward/Rewind | Rewind Fast forward | Press “◀” or “▶” during playback to skip forwards or backwards through the movie. |
| Skip playback | When paused | Press “◀” or “▶” when the movie is paused, the movie advances or goes back one frame.<br>Hold down “◀” or “▶” to move through the frames quickly. |

### ◆ Playing movie files ◆

- You may not be able to play back some movie files recorded on other cameras.
- To play back movie files on a PC, save the movie file on the **xD-Picture Card** to the PC’s hard disk and then play back the saved file.

# ADJUSTING EVF / LCD (THE MONITOR BRIGHTNESS)

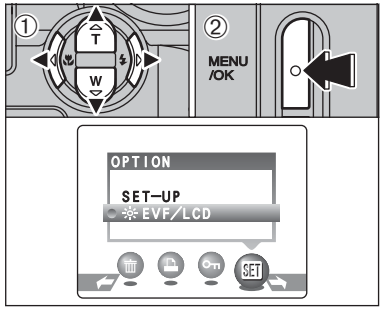
**1**




① Set the Power switch to "📷" or "▶".
② Press the "MENU/OK" button to display the menu on the screen.

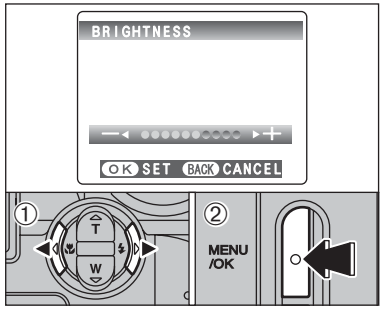
The monitor brightness specified here remains valid until the setting is changed again. This setting applies to both photography and playback, and can be used to change the monitor brightness in both modes.

**2**




① Press "◀" or "▶" to select "SET" OPTION and then press "▲" or "▼" to select "☼ EVF/LCD".
② Press the "MENU/OK" button.

**3**




① Press "◀" or "▶" to adjust the screen brightness.
② Press the "MENU/OK" button to confirm the new setting.

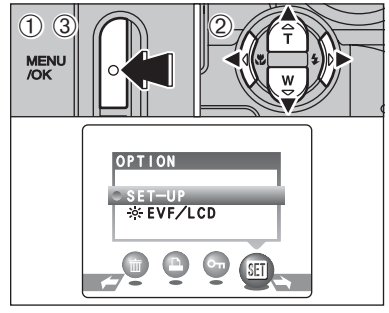
To end this procedure without changing the settings, press the "DISP/BACK" button.





## SET USING THE SET-UP SCREEN

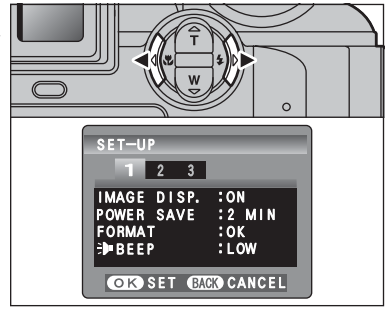
**1**




① Press the "MENU/OK" button to display the menu on the screen.
② Press "◀" or "▶" to select "SET" OPTION and then press "▲" or "▼" to select "SET-UP".
③ Press the "MENU/OK" button to display the SET-UP screen.

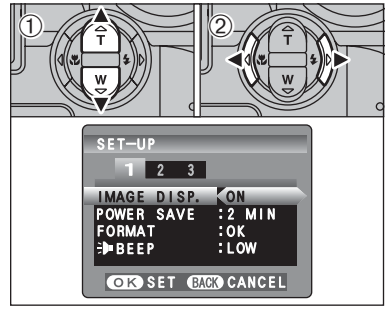
Always turn the camera off when replacing the batteries. Opening the battery cover or disconnecting the AC power adapter without turning the camera off may cause the camera settings to revert to the factory default values set at shipment.

**2**



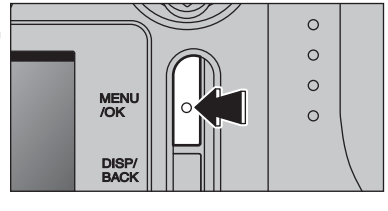

Press "◀" or "▶" to move to options 1 to 3.

**3**




① Press "▲" or "▼" to select a menu option.
② Press "◀" or "▶" to change the setting. Press "▶" for "FORMAT", "DATE/TIME", "TIME DIFFERENCE", "DISCHARGE" or "📷 RESET".

**4**



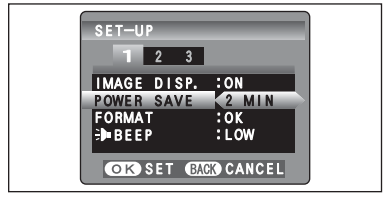

After you have changed the settings, press the "MENU/OK" button to confirm the changes.

## ■ SET-UP menu options

| | Settings | Display | Factory default | Explanation | Page |
|---|---|---|---|---|---|
| 1 | IMAGE DISP. | ON/OFF | ON | Specifies whether the preview images (the photographed images) are displayed after taking a picture. The image appears for a few moments and is then recorded. | – |
| | POWER SAVE | 2 MIN/5 MIN | 2 MIN | Reduces the camera's power consumption and subsequently turns the camera off when not being used. | 61 |
| | FORMAT | OK | – | Erases all files. | 61 |
| | BEEP | LOW/HIGH/OFF | LOW | Sets the volume of the tone emitted when the camera controls are used. | – |
| 2 | DATE/TIME | SET | – | Corrects the date or time. | 13 |
| | TIME DIFFERENCE | SET | – | Specifies the time difference settings. | 62 |
| | FRAME NO. | CONT./RENEW | CONT. | Specifies whether frame numbers are assigned consecutively from previous numbers or begin again. | 63 |
| | USB MODE | /WEB/ | | : DSC (Mass storage device) mode This mode provides a simple way to read images from an **xD-Picture Card** and store images onto an **xD-Picture Card**. | 77 |
| | | | | WEB: WEB Camera This function allows you to conduct videoconferencing sessions between PCs connected to the Internet. ✻ Windows XP SP1 only | 76 |
| | | | | : PictBridge If a printer that supports PictBridge is available, images can be printed by connecting the camera directly to the PictBridge-compatible printer without using a computer. | 73 |
| 3 | 言語/LANG. | 日本語/ENGLISH/ FRANCAIS/DEUTSCH/ ESPAÑOL/中文 | ENGLISH | Specifies the language used for screen display. | – |
| | VIDEO SYSTEM | NTSC/PAL | – | Specifies whether video output is set to NTSC or PAL. | – |
| | DISCHARGE | OK | – | Discharges rechargeable batteries. | 87 |
| | RESET | OK | – | Resets all the camera settings (other than the DATE/TIME, TIME DIFFERENCE, LANG. and VIDEO SYSTEM) to the factory default values set at shipment. A confirmation message appears when you press "▶". To reset the camera settings, press the "MENU/OK" button. | – |



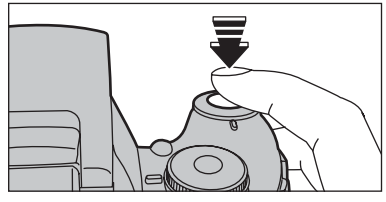
## POWER SAVE SETTING




When this function is enabled and the camera is not used for 60 seconds, the screen temporarily turns off (sleep mode) and the indicator lamp blinks at 1-second intervals to save power. If the camera remains unused for 2 or 5 minutes, it is turned off. Use this function when you want to get the maximum possible running time from your batteries.

- The Power save setting is disabled during automatic playback, during rechargeable battery discharging and when a USB connection is being used.

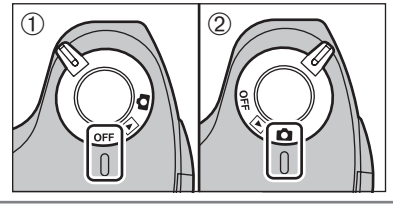
The Sleep function does not operate in SET-UP or Playback mode, but the camera will turn off if it is left unused for a set time (2 or 5 minutes).



When the camera is in sleep mode, pressing the shutter button down halfway wakes the camera up. This is useful since the camera can be ready to take pictures almost instantly.

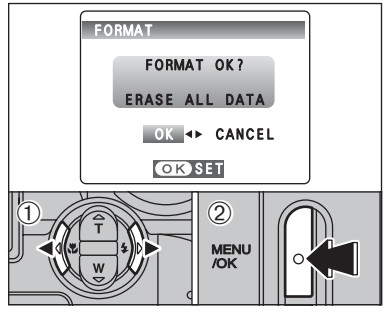
- Pressing any other button as well as the shutter button wakes the camera up.

### ◆ To restore power to the camera ◆




When the Auto power off function has shut the camera down (after 2 or 5 minutes):
① Set the Power switch to "OFF".
② Set the Power switch back to "" or "".

## FORMAT



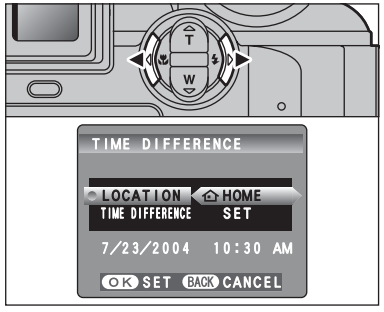

Initialize (format) the **xD-Picture Card** for use with the camera.
Because initializing the **xD-Picture Card** erases all the frames (files), including protected frames (files). Back up important frames (files) onto your PC or another media.
① Press "◀" or "▶" to select "OK".
② Pressing the "MENU/OK" button erases all the frames (files) and initializes the **xD-Picture Card**.

- If "CARD ERROR", "WRITE ERROR", "READ ERROR" or "CARD NOT INITIALIZED" appears, see P.89, 90 for information before formatting the **xD-Picture Card**.

## WORLD TIME (TIME DIFFERENCE)

This function sets a time difference relative to the date and time currently set. When this setting is enabled, the specified time difference is applied when pictures are taken.
Use this function when traveling to destinations in different time zones.

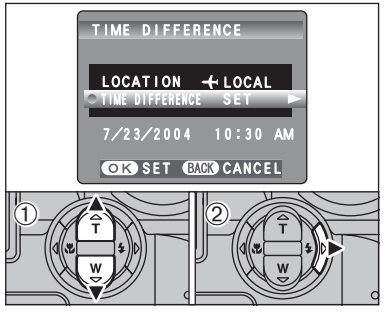
**1**




Press "◀" or "▶" to change between "⌂ HOME" and "✈ LOCAL".
To set the time difference, select "✈ LOCAL".

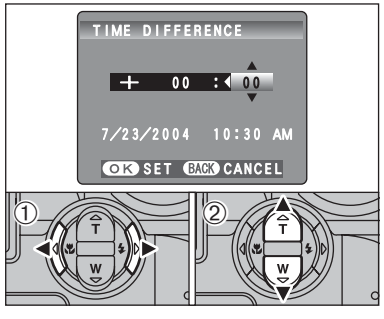
⌂ **HOME:** Your home time zone
✈ **LOCAL:** Your destination time zone

**2**




① Press "▲" or "▼" to select "TIME DIFFERENCE".
② Press "▶".

**3**

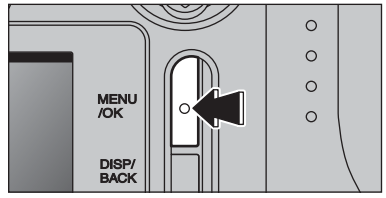



① Press "◀" or "▶" to select +/–, hour and minute.
② Press "▲" or "▼" to correct the setting.

● **Available time settings**
–23:45 to +23:45 (in 15-minute increments)

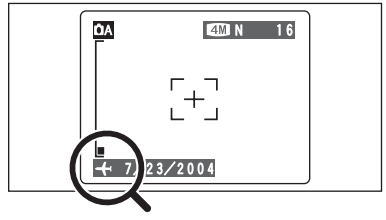


**4**




Always press the "MENU/OK" button after the settings are completed.

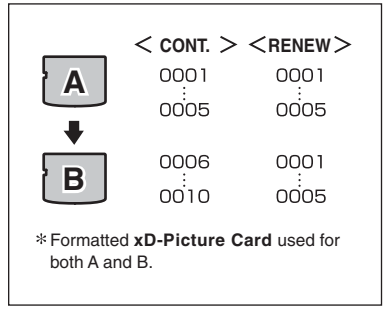
**5**




When the Photography mode is selected with world time set, "✈" appears on the screen for 3 seconds.

Upon returning from a trip, always change the World time setting back to "⌂ HOME".

## FRAME NO.




✻ Formatted **xD-Picture Card** used for both A and B.

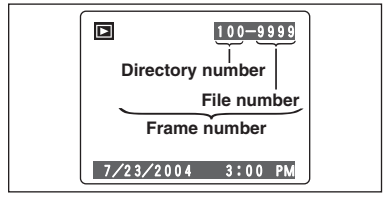
Specifies whether frame numbers are assigned consecutively from previous numbers or begin again.

**CONT.:** Pictures are stored beginning from the highest file number stored on the last **xD-Picture Card** used.

**RENEW:** Pictures are stored on each **xD-Picture Card** beginning with a file number "0001".

Setting this function to "CONT." makes file management easier as it makes sure that file names are not duplicated when images are downloaded to a PC.

- When the camera settings are "RESET", the frame number setting ("CONT." or "RENEW") is changed to "CONT." and the frame number itself does not return to "0001".
- When the **xD-Picture Card** already contains image files with file numbers higher than the highest file number on the last **xD-Picture Card**, images are stored beginning from the highest file number on the current **xD-Picture Card**.




Check the file number by viewing the image. The last 4 digits of the 7-digit number in the top right corner of the screen are the file numbers, while the first 3 digits show the directory number.

- When changing the **xD-Picture Card**, always turn the camera off before opening the battery cover. Opening the battery cover without turning the camera off may cause the frame number memory to not function.
- File number runs from 0001 to 9999. Once 9999 is exceeded, the directory number changes from 100 to 101. The maximum number is 999–9999.
- The displayed frame number may differ for images photographed on other cameras.
- When "[ FRAME NO. FULL ]" appears, see P.89.

# 5.1 INSTALLATION ON A Windows PC

## Pre-installation checklist

To run this software, you must have the hardware and software described below. Check your system before you begin the installation.

| | |
|---|---|
| **Operating System*1** | Windows 98 (including the Second Edition)<br>Windows Millennium Edition (Windows Me)<br>Windows 2000 Professional*2<br>Windows XP Home Edition*2<br>Windows XP Professional*2 |
| **CPU** | 200 MHz Pentium or better recommended (800 MHz Pentium Ⅲ or better recommended for Windows XP) |
| **RAM** | 64 MB minimum (128 MB minimum for Windows XP),<br>256 MB or better recommended |
| **Hard disk space** | Amount required for installation: 450 MB minimum<br>Amount required for operation: 600 MB minimum<br>(When using ImageMixer VCD2 for FinePix: 2 GB or better) |
| **Display** | 800 × 600 pixels or better, 16-bit color or better<br>(When using ImageMixer VCD2 for FinePix: 1024 × 768 or better) |
| **Internet connection*3** | • To use the FinePix Internet Service or mail attachment function: An Internet connection or e-mail transmission software is needed<br>• Connection speed: 56 k or better recommended |

✻1 Models with one of the above operating systems pre-installed.
✻2 When you install the software, log in using a system administrator account (e.g. “Administrator”).
✻3 Required to use the FinePix Internet Service. The software can still be installed even if you do not have an Internet connection.

### ◆ Notes ◆

- Connect the camera directly to the PC using the USB cable (included). The software may not operate correctly when you use an extension cable or connect the camera via a USB hub.
- When your PC has more than one USB port, the camera can be connected to either port.
- Push the USB connector fully into the socket to ensure that it is securely connected. The software may not operate correctly if the connection is faulty.
- Additional USB interface board is not guaranteed.
- Windows 95 and Windows NT cannot be used.
- Operation is not guaranteed on home-built PCs or on PCs running updated operating system software.
- When you reinstall or remove FinePixViewer, the Internet menu and your user ID and password for the FinePix Internet Service are deleted from your PC. Click the [Register now] button, enter your registered user ID and password and download the menu again.
- To use Video Chat, a PC running Windows XP Professional (Service Pack 1) or Windows XP Home Edition (Service Pack 1) is required with a sound card, a connected microphone and speakers, and Windows Messenger 5.0 or later installed. When using a router, check that the router is compatible with Windows Messenger.

**Do not connect the camera to your PC until the software installation is completed.**

**1** Install FinePixViewer as instructed in the Quick start guide.

### ◆ Launching the installer manually ◆

① Double-click the “My Computer” icon.
✻ Windows XP users should click “My Computer” in the “Start” menu.
② Right-click “FINEPIX” (CD-ROM drive) in the “My Computer” window and select “Open”.
③ Double-click “SETUP” or “SETUP.exe” in the CD-ROM window.

✻ The way file names are displayed differs as described below depending on your PC settings.
- File extensions (3-letter suffixes indicating the file type) may be shown or hidden. (e.g. Setup.exe or Setup)
- Text may be shown normally or all in uppercase (e.g. Setup or SETUP).

### ◆ Installing other applications ◆

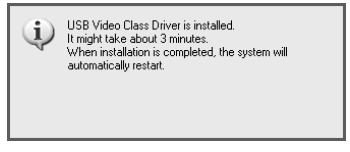
You may see messages for installing, ImageMixer VCD2 for FinePix and WINASPI. Install these applications as directed by the on-screen instructions. The installation screens for these applications are displayed as required.

**2** After restarting the PC, install DirectX as directed by the on-screen instructions and then restart your PC again. If the latest version of DirectX is already installed on your PC, this installation is not performed.

- If the latest version is already installed, this window does not appear.
- Do not remove the CD-ROM during this procedure.

**3** After restarting, the USB Video Class driver would be installed.

- If the latest version is already installed, this window does not appear.
- The driver is only installed on Windows XP SP 1.


USB Video Class Driver is installed.
It might take about 3 minutes.
When installation is completed, the system will automatically restart.

**4** After restarting the PC, a message appears stating “Installation of the FinePixViewer has been completed”.

# 5.2 INSTALLATION ON A Mac OS 9.2

## Pre-installation checklist

To run this software, you must have the hardware and software described below. Check your system before you begin the installation.

| | |
|---|---|
| **Compatible Mac** | Power Macintosh G3*1, PowerBook G3*1,<br>Power Macintosh G4, iMac, iBook,<br>Power Macintosh G4 Cube or PowerBook G4 |
| **Operating System** | Mac OS 9.2.2*2 |
| **RAM** | 64 MB minimum*3<br>256 MB or better recommended<br>(When using ImageMixer VCD2 for FinePix: 128 MB or better) |
| **Hard disk space** | Amount required for installation: 400 MB minimum<br>Amount required for operation: 600 MB minimum<br>(When using ImageMixer VCD2 for FinePix: 2 GB or better) |
| **Display** | 800 × 600 pixels or better, at least 32,000 colors<br>(When using ImageMixer VCD2 for FinePix: 1024 × 768 or better) |
| **Internet connection*4** | • To use the FinePix Internet Service or mail attachment function<br>An Internet connection or e-mail transmission software is needed<br>• Connection speed: 56 k or better recommended |

*1 Models with a USB port as a standard feature
*2 This software does not run correctly in the Mac OS X Classic environment.
*3 Turn virtual memory on if necessary.
*4 Required to use the FinePix Internet Service. The software can still be installed even if you do not have an Internet connection.

**◆ Notes ◆**

- Connect the camera directly to the Macintosh using the USB cable (included). The software may not operate correctly if you use an extension cable or connect the camera via a USB hub.
- Push the USB connector fully into the socket to ensure that it is securely connected. The software may not operate correctly if the connection is faulty.
- Additional USB interface board is not guaranteed.
- On Macintosh PCs, allocate at least 400 MB of virtual memory when RAW FILE CONVERTER LE is used. If other applications will be used at the same time, allocate the additional amount required for those applications also.

**1** Turn on your Macintosh and start up Mac OS 9.2.2.

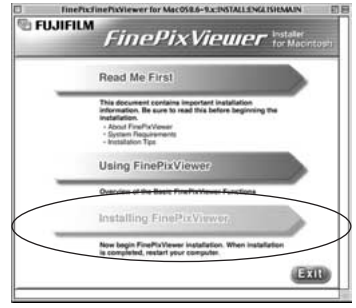
Do not connect the camera to your Macintosh until the software installation is completed.

**2** When the bundled CD-ROM is loaded into the CD-ROM drive, the [FinePix] volume appears. Double-click the volume icon to open the volume window.

**3** Double-click “Installer for MacOS9” to launch the Installer.

**4** The Installer setup screen appears. Click the [Installing FinePixViewer] button.

For more information on what is installed, click the [Read Me First] button and [Using FinePixViewer] button.

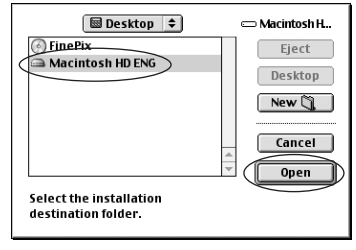



**5** A confirmation message appears asking whether you want to continue with the installation. Click the [OK] button.

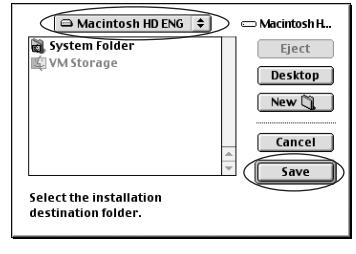
**6** The User License Agreement for this software appears. Read the agreement carefully and then, if you agree to the terms of the Agreement, click the [Agree] button. If you click the [Disagree] button, the software is not installed.

**7** Select the installation destination for FinePixViewer.

① Click the [Open] button to open the installation destination folder.




② Click the [Save] button.




**8** Install ImageMixer VCD2 for FinePix as directed by the on-screen instructions.





Continued

## 5.2 INSTALLATION ON A Mac OS 9.2

**9** After restarting the Macintosh, the “FinePixViewer installation completed” message appears. Click “Using FinePixViewer” to view the basic FinePixViewer functions.

**10** To install Acrobat Reader, click “Install Acrobat Reader”.

Install Adobe Systems’ Acrobat Reader software to read the FinePixViewer User’s Guide (PDF). If the latest version already has been installed, this step is not required.

**11** Proceed with the installation as directed by the on-screen instructions.

**◆ To install Acrobat Reader later... ◆**

① Double-click the “FinePix” CD-ROM to open the CD-ROM window.
② Double-click “FinePixViewer for MacOS9” ➡ “Acrobat Reader” ➡ “English” folder.
③ Double-click “English Reader Installer”.
④ Proceed with the installation as directed by the on-screen instructions.

## 5.3 INSTALLATION ON A Mac OS X

### Pre-installation checklist

**■ Hardware and software requirements**

To run this software, you must have the hardware and software described below. Check your system before you begin the installation.

| | |
|---|---|
| **Compatible Mac** | Power Macintosh G3*1, PowerBook G3*1,<br>Power Macintosh G4, iMac, iBook,<br>Power Macintosh G4 Cube, or PowerBook G4, Power Macintosh G5 |
| **Operating System** | Mac OS X (compatible with version 10.2.6 to 10.3.3) |
| **RAM** | 192 MB minimum<br>256 MB or better recommended |
| **Hard disk space** | Amount required for installation: 200 MB minimum<br>Amount required for operation: 400 MB minimum<br>(When using ImageMixer VCD2 for FinePix: 2 GB or better) |
| **Display** | 800 × 600 pixels or better, at least 32,000 colors<br>(When using ImageMixer VCD2 for FinePix: 1024 × 768 or better) |
| **Internet connection*2** | • To use the FinePix Internet Service or mail attachment function<br>An Internet connection or e-mail transmission software is needed<br>• Connection speed: 56 k or better recommended |

*1 Models with a USB port as a standard feature
*2 Required to use the FinePix Internet Service. The software can still be installed even if you do not have an Internet connection.

**◆ Notes ◆**

- Connect the camera directly to the Macintosh using the USB cable (included). The software may not operate correctly if you use an extension cable or connect the camera via a USB hub.
- Push the USB connector fully into the socket to ensure that it is securely connected. The software may not operate correctly if the connection is faulty.
- Additional USB interface board is not guaranteed.
- On Macintosh PCs, allocate at least 400 MB of virtual memory when RAW FILE CONVERTER LE is used. If other applications will be used at the same time, allocate the additional amount required for those applications also.

## 5.3 INSTALLATION ON A Mac OS X

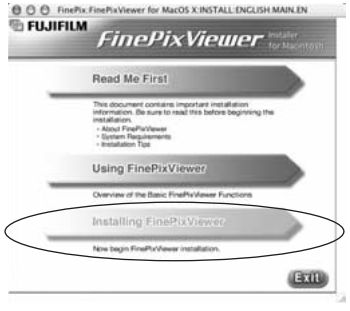
**1** Turn your Macintosh on and start up Mac OS X. Do not launch any other applications.

**2** When the bundled CD-ROM is loaded into the CD-ROM drive, the “FinePix” icon appears. Double-click the “FinePix” icon to open the “FinePix” volume window.

**3** Double-click “Installer for MacOS X”.

**4** The Installer setup dialog appears. Click the [Installing FinePixViewer] button.

For more information on what is installed, click the [Read Me First] button and [Using FinePixViewer] button.




**5** The “Authenticate” dialog appears.
Enter the name and password for the administrator account and then click the [OK] button.*
*The administrator account is the user account used for Mac OS X installation and you can confirm the user account in the Accounts dialog in the System Preferences.

**6** The “License” dialog appears. Read the agreement carefully and then, if you agree to the terms of the Agreement, click the [Accept] button.

**7** The “Read me” dialog appears. Click the [Continue] button.



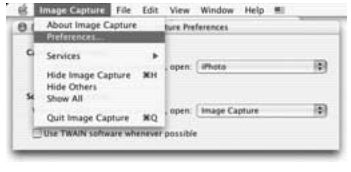
**8** The “FinePixInstallOSX” window appears.
Click the [Install] button to install FinePixViewer and RAW FILE CONVERTER LE.

**9** The ImageMixer VCD2 installer automatically starts up and a window showing the installation progress appears. (Installation may take several minutes.)

**10** The “FinePixViewer installation completed” message dialog appears. Then click exit button and close it.

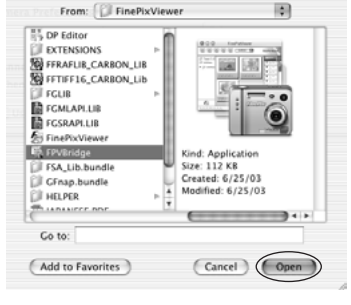
**11** Launch “Image Capture” from the “Applications” folder.

**12** Change the Image Capture settings.
Select “Preferences...” from the “Image Capture” menu.




**13** Select “Other...” from “When a camera is connected, open”.

**14** Select “FPVBridge” from “FinePixViewer” folder in the “Applications” folder and click the [Open] button.



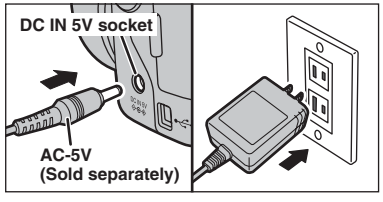

**15** Select “Quit Image Capture” menu in the “Image Capture” menu.

# 6.1 CAMERA CONNECTION

## 6.1.1 Using the AC Power adapter (sold separately)

Always use a FUJIFILM AC Power Adapter AC-5VH/AC-5VHS (➡P.83).
Use the AC power adapter to avoid losing power at inconvenient times, such as when downloading photographed images to your PC. You can take pictures and play back images without worrying about depleting the batteries.

- See P.86 for notes on using the AC power adapter.
- Only connect or disconnect the AC power adapter when the camera is off.
  Connecting or disconnecting the AC power adapter while the camera is turned on temporarily interrupts the power supply to the camera, so that images or movies being shot are not recorded. Failing to turn the camera off first can also result in damage to the **xD-Picture Card** or malfunctions during PC connection.



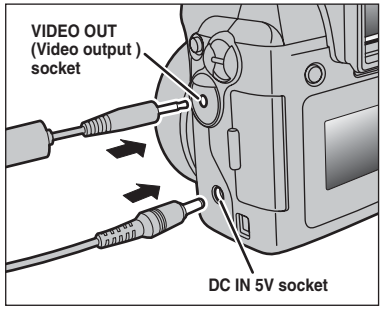

Check that the camera is off. Plug the AC power adapter connector into the “DC IN 5V” socket and then plug the AC power adapter into the power outlet.

- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- The shape of the plug and socket-outlet depends on the country of use.

Do not connect the AC power adapter to charge the AA-size Ni-MH (nickel-metal hydride) batteries. Use the optional charger (➡P.83) to charge the AA-size Ni-MH batteries.

## 6.1.2 Connecting to a TV

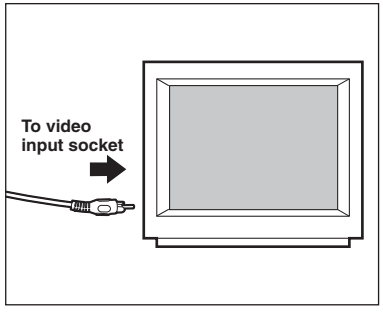
**1**




Turn off the camera and TV. Plug the Video cable (included) into the “VIDEO OUT” (video output) socket.

- When there is a power outlet available, connect the AC Power Adapter AC-5V.

**2**




Plug the other end of the cable into the video input socket on the TV. Then turn the camera and TV on and take pictures or play back images as you would normally.

- Refer to the instructions provided with your TV for more information on video input for your TV.
- The image quality for movie playback is lower than for still images.

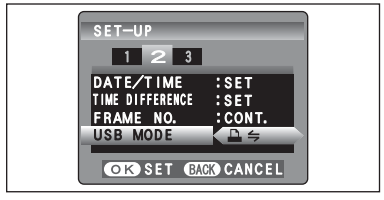


# 6.2 CONNECTING THE CAMERA DIRECTLY TO THE PRINTER — PictBridge FUNCTION

When a printer that supports PictBridge is available, images can be printed by connecting the camera directly to the PictBridge-compatible printer without using a PC.

## 6.2.1 Specifying images for printing on the camera

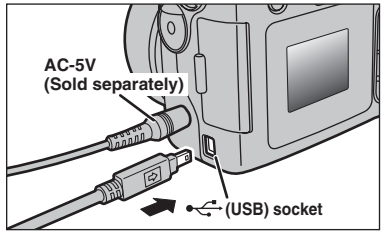
**1**




Select “🖶⇋” in “USB MODE” in the “SET-UP” menu (➡P.60).

- Do not connect to a PC when the USB mode setting is set to “🖶⇋”. See P.92 if you connect to PC by mistake.

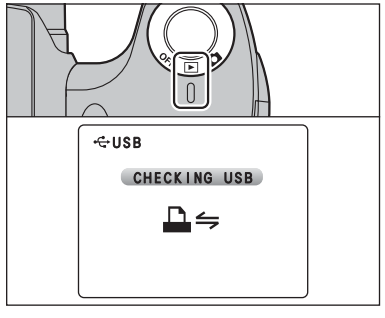
**2**




① Connect the camera to the printer using the USB cable (included).
② Turn the printer on.

- The camera cannot be used to specify printer settings such as the paper size and print quality.
- Please connect the AC Power Adapter AC-5VH/AC-5VHS (sold separately) to your camera.
- Use an **xD-Picture Card** that was formatted on the camera.

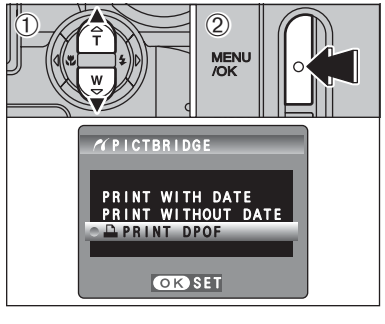
**3**




Set the Power switch to “▶”.
“CHECKING USB” appears and then the menu is displayed on the screen.

- If the menu does not appear, check whether the USB mode setting is “🖶⇋”.
- Depending on the printer, some functions are disabled.

**4**



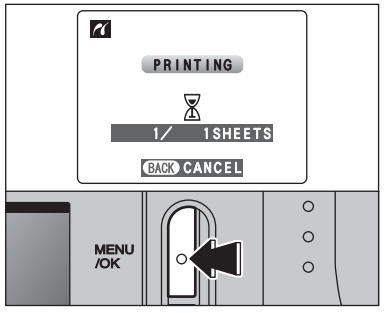

① Press “▲” or “▼” to select “🖶 PRINT DPOF”.
② Press the “MENU/OK” button.

- When “🖶 NOT SET DPOF” appears, the DPOF settings are not specified.
- To use DPOF printing, the DPOF settings must be specified on FinePix S3100 / FinePix S3500 beforehand (➡P.46).
- Even when “WITH DATE” is specified in the DPOF settings, the date is not inserted from printers that do not support date printing.



Continued

**5**

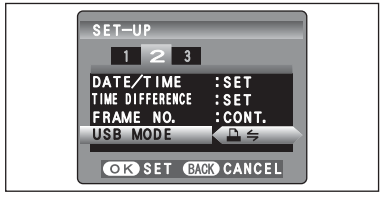



Press the “MENU/OK” button to download the data to the printer and print the frames specified in the DPOF settings.

- Press the “DISP/BACK” button to cancel the printing. Depending on the printer, the printing may not be canceled immediately. Printing may stop midway through. When printing stops midway, briefly turn the camera off and then on again.

## 6.2.2 Specifying images for printing without using DPOF single-frame printing

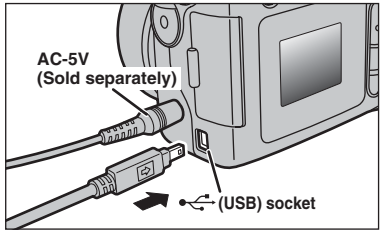
**1**




Select “🖧⇋” in “USB MODE” in the “SET-UP” menu (➡P.60).

- Do not connect to a PC when the USB mode setting is set to “🖧⇋”. See P.92 if you connect to PC by mistake.

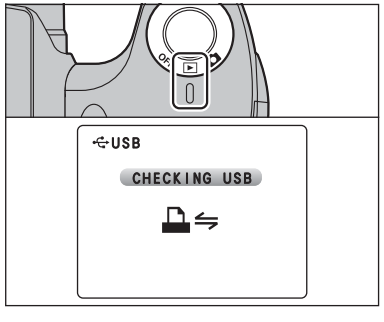
**2**




① Connect the camera to the printer using the USB cable (included).
② Turn the printer on.

- The camera cannot be used to specify printer settings such as the paper size and print quality.
- Please connect the AC Power Adapter AC-5VH/AC-5VHS (sold separately) to your camera.
- Use an **xD-Picture Card** that was formatted on the camera.

**3**

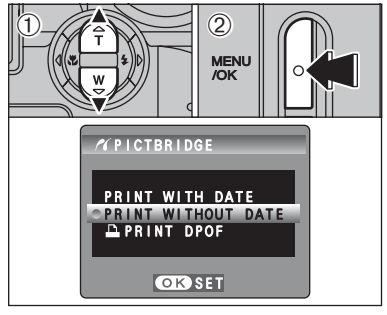



Set the Power switch to “▶”.
“CHECKING USB” appears and then the menu is displayed on the screen.

- If the menu does not appear, check whether the USB mode setting is “🖧⇋”.
- Depending on the printer, some functions are disabled.



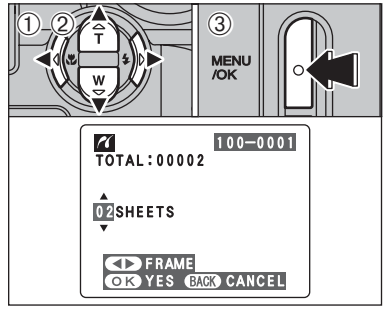
**4**




① Press “▲” or “▼” to select “PRINT WITH DATE” or “PRINT WITHOUT DATE”. If “PRINT WITH DATE” is selected, the date is imprinted on your prints.
② Press the “MENU/OK” button.

- “PRINT WITH DATE” is not available when the camera is connected to a printer that does not support date printing.

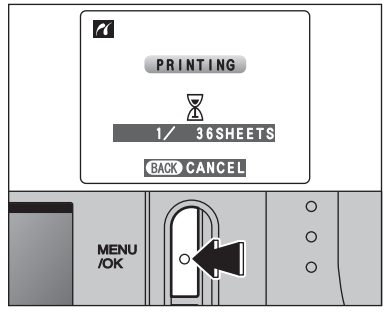
**5**




① Press “◀” or “▶” to display the frame (file) for which you want to specify PRINT settings.
② Press “▲” or “▼” to set a value up to 99 as the number of copies of the frame (file) to be printed. For frames (files) that you do not want printed, set the number of prints to 0 (zero).
To specify more PRINT settings, repeat steps ① and ②.
③ Always press the “MENU/OK” button after the settings are completed.

- Movie images cannot be printed.

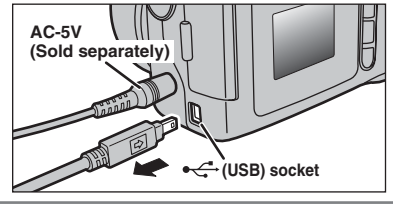
**6**




Press the “MENU/OK” button to download the data to the printer and start printing the specified number of prints.
To end printing, press the “DISP/BACK” button.

- Press the “DISP/BACK” button to cancel the printing. Depending on the printer, the printing may not be canceled immediately. Printing may stop midway through. When printing stops midway, briefly turn the camera off and then on again.

### ◆ Disconnecting the printer ◆




①Check that “PRINTING” is not displayed on the camera’s screen.
②Turn the camera off. Unplug the USB cable.

# 6.3 CONNECTING TO A PC

## 6.3.1 Connecting to a PC

The “Connecting to a PC” section explains how to connect the camera to your PC using the USB cable (included) and describes the functions you can use once the camera and PC are connected.

If the power cuts out during data transmission, the data will not be transmitted correctly. Always use the AC power adapter when connecting the camera to a PC.

**Refer to Section 5 the first time you connect the camera to your PC.**
Install the software first. Do not connect the camera with the PC before installing all the software.

CD-ROM
(Software for FinePix AX)

### DSC (Mass storage device) mode

This mode provides a simple way to read images from an **xD-Picture Card** and store images onto an **xD-Picture Card** (➡P.77).

### WEB WEB CAM (Web Camera) mode

This function allows you to conduct videoconferencing sessions between PCs connected to the Internet.

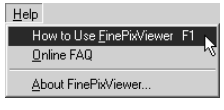
- The WEB Camera function can only be used on Windows XP SP1.
- Microsoft Windows Messenger 5.0 or later is required to use the WEB Camera function.
  For downloading and using this software, please refer to the below explanation for “Using video chat with Windows Messenger” No.⑧. Please download it from the Messenger web site.
- Images are not output to a TV.
  When using Video Chat with the WEB Camera function, Windows XP SP1 is required also for your partner’s OS.

Change between “” and “ WEB” in the camera’s SET-UP screen.

#### ◆ Using Video Chat with Windows Messenger ◆

**Connecting camera to a PC**

① Plug the AC power adapter connector into the “DC IN 5V” socket on the camera and then plug the adapter into the power outlet.
② Turn the camera on in Photography mode (➡P.13, 20).
③ Set the “USB MODE” setting in the “SET-UP” menu to “ WEB” (➡P.59).
④ Turn the camera off (➡P.13).
⑤ Turn your PC on.
⑥ Use the USB cable to connect the camera to your PC.
⑦ Turn the camera on in Photography mode (➡P.13, 20).
⑧ Using Video Chat with Windows Messenger, refer to “How to use FinePixViewer” in the HELP menu which was installed from the CD-ROM.




- Take care to make sure that the USB cable is connected the correct way around and that the plugs are pushed fully into the connection sockets.
- “PC CAMERA” appears on the LCD monitor.
- Power save and Auto power off are disabled during USB connection.

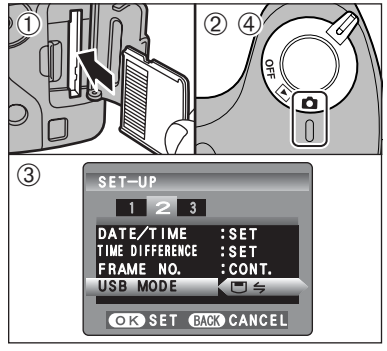
**Disconnecting the Camera**

① Quit all applications (FinePixViewer etc.) that are using the camera.
② Turn the camera off (➡P.13).
③ Unplug the USB cable from the camera.



## USE AT DSC MODE

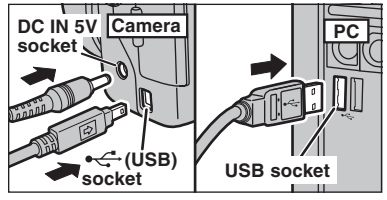
### 1 Set a camera




① Insert an **xD-Picture Card** into the camera.
② Set the Power switch to turn the camera on.
③ Select “” in “USB MODE” in the “SET-UP” menu (➡P.60).
④ Set the Power switch to turn the camera off.

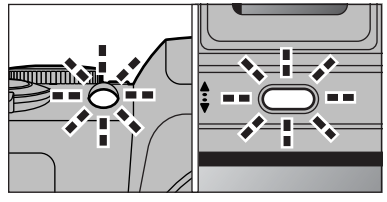
- Use the AC Power Adapter AC-5VH/AC-5VHS (sold separately) for the connection (➡P.83). If shutting off power supply during communication, the files on the **xD-Picture Card** may be damaged.

### 2 Connect a camera to a PC




① Turn your PC on.
② Connect the camera to the PC using the USB cable (included).
③ Turn the camera on.

- Make sure that the USB cable (included) is connected correctly and pushed in.



- When the camera and PC are exchanging data, the self-timer lamp blinks and the indicator lamp blinks alternately green and orange.
- “DSC” appears on the screen.
- Power save and Auto power off are disabled during USB connection.

- Before replacing the **xD-Picture Card**, always disconnect the camera from the PC using the procedure on P.79.
- Do not disconnect the USB cable when the camera is communicating with the PC. See P.79 for information on the disconnection procedure.



Continued

## 3 Set a PC

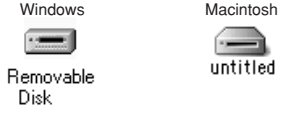
### Windows 98 / 98 SE / Me / 2000 Professional / Macintosh

The Windows CD-ROM may also be required during installation. In this event, change CD-ROMs as directed by the on-screen instructions.

- FinePixViewer automatically starts up and the Save Image Wizard window (Save Image dialog box) appears. Follow the instructions provided on screen to save the images at this point. To proceed without saving the images, click the [Cancel] button.

✻ Screen for Windows 98 SE

- A removable disk icon appears and you can use your PC to transfer files to and from the camera.




If the above operations do not occur, you do not have the required software programs or drivers installed on your PC. Complete the required PC setup procedures. Then reconnect the camera to your PC.

### Windows XP

① The “Found New Hardware” help message appears in the bottom-right corner of your screen. This message will close when the settings are completed. No action is required.

This step is not required for subsequent connections.

② Specify the settings in the “AutoPlay” dialog box.

- **When FinePixViewer is included in the list of actions to perform**
  Select “Viewing images using FinePixViewer” and then select the “Always do the selected action” checkbox. This checkbox may not be shown in some cases.
  Click the [OK] button to launch FinePixViewer.
- **When FinePixViewer is not included in the list of actions to perform**
  Select “Take no action” and then select the “Always do the selected action” checkbox. This checkbox may not be shown in some cases.
  Click the [OK] button and launch FinePixViewer manually.

③ A new removable disk icon appears in the “My Computer” window.
FinePixViewer automatically starts up and the Save Image Wizard window (Save Image dialog box) appears. Follow the instructions provided on screen to save the images at this point. To proceed without saving the images, click the [Cancel] button.

**◆ Regarding the icons ◆**

The next time you connect the camera, the removable disk drive icon and name change to the “FinePix” icon and name.

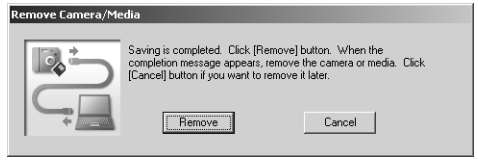
Proceed to “USING FinePixViewer” on P.80.



## 6.3.2 Disconnecting the camera

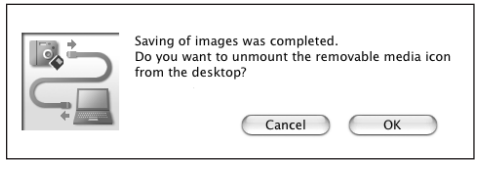
### 1 Windows

Once the image has been saved, the “Remove Camera/Media” window appears (Save Image Wizard Windows). To disconnect the camera, click the [Remove] button.

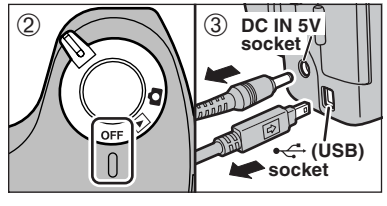

Remove Camera/Media
Saving is completed. Click [Remove] button. When the completion message appears, remove the camera or media. Click [Cancel] button if you want to remove it later.
Remove
Cancel

### Macintosh

Once the image has been saved, the “Remove camera/media” window appears (Save Image dialog box). To disconnect the camera, click the [OK] button.




### 2




① When the “It is now safe to disconnect the camera” message appears, click the [OK] button and disconnect the camera.
② Turn the camera off.
③ Unplug the USB cable (included) from the camera.

# 6.4 USING FinePixViewer

## 6.4.1 Mastering FinePixViewer

For all information on FinePixViewer functions, refer to “How to Use FinePixViewer” in the Help menu for details.

◆ **Macintosh** ◆

● **To read “How to Use FinePixViewer”...**
You must install Adobe Systems’ Acrobat Reader. See P.68 for information on installing Acrobat Reader.

For more information on using Acrobat Reader, refer to the Acrobat Reader “Help” menu.

● **What is explained in “How to Use FinePixViewer”...**
“How to Use FinePixViewer” covers a range of topics, including batch processing and ordering prints.

### ■ Example: Looking up slide shows

① Click “How to Use FinePixViewer” in the FinePixViewer Help menu.
② Click “Basic Operation” and then click “Basic Slide Show Operations” in the menu that appears.
③ The “Basic Slide Show Operations” information appears. Press the “<<<” key to view the previous page or the “>>>” key to view the next page.

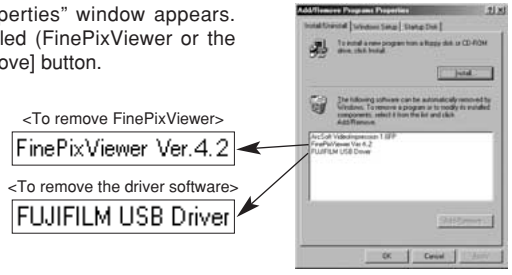
## 6.4.2 Uninstalling the software

Only perform this operation when you no longer require the installed software or when the software was not installed correctly.

### Windows

① Check that the camera is not connected to the PC.
② Quit all currently running applications.
③ Open the “My Computer” window, open the “Control Panel”, and double-click on “Add/Remove Programs”.

④ The “Add/Remove Programs Properties” window appears. Select the software to be uninstalled (FinePixViewer or the driver) and then click the [Add/Remove] button.






⑤ When the message appears, click the [OK] button. Check your selection carefully since the process cannot be cancelled once you click [OK] button.

⑥ Automatic uninstallation begins.
When uninstallation ends, click the [OK] button.

### Macintosh

### Mac OS 9.2

#### ■ Uninstalling Exif Launcher, FinePixViewer

① After you have quit Exif Launcher in “Exif Launcher Settings” in the FinePixViewer “Settings” menu, move the Exif Launcher file from the “Startup Items” folder in the System folder to the Trash. Then select “Empty Trash” in the “Special” menu.
② After you have exited FinePixViewer. Drag the installed FinePixViewer folder to the Trash. Then click “Empty Trash” in the “Special” menu.

### Mac OS X

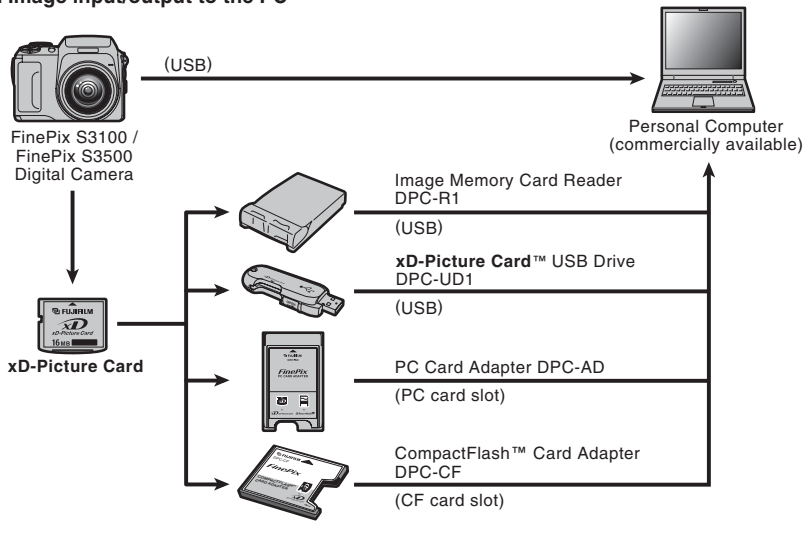
#### ■ Uninstalling FinePixViewer

Quit FinePixViewer. Then drag the installed FinePixViewer folder to the Trash and select “Empty Trash” in the “Special” menu.

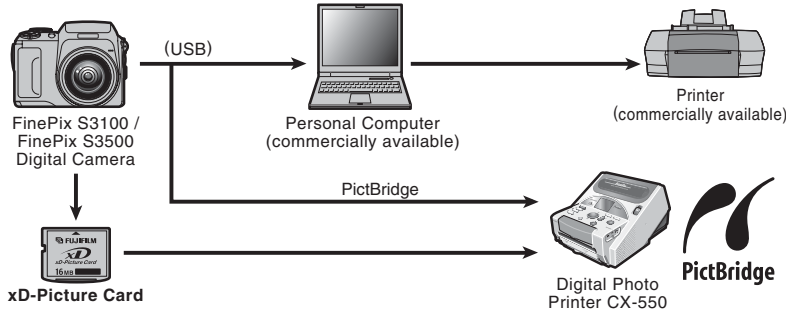
# System Expansion Options

▶By using the FinePix S3100 / FinePix S3500 together with other optional FUJIFILM products, your system can be expanded to fill a wide range of uses.

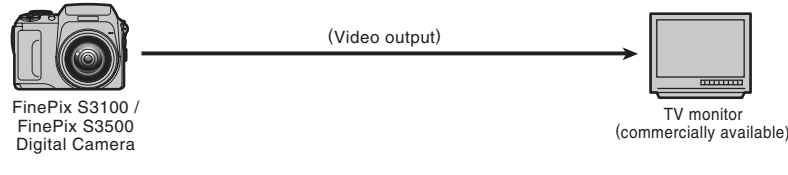
### ■ Image input/output to the PC




### ■ Print creation




### ■ Video output



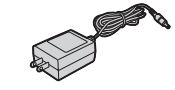



# Accessories Guide

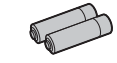
▶The accessories (sold separately) can make taking pictures with the FinePix S3100 / FinePix S3500 even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used.
Visit the FUJIFILM web site for the latest information on camera accessories.
http://home.fujifilm.com/products/digital/index.html

- **xD-Picture Card**
  These are separately available **xD-Picture Card**s.
  Use the following **xD-Picture Card**:
  DPC-16 (16 MB)/DPC-32 (32 MB)/DPC-64 (64 MB)/DPC-128 (128 MB)/DPC-256 (256 MB)/DPC-512 (512 MB)

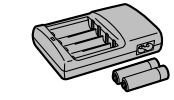
- **AC Power Adapter AC-5VH/AC-5VHS**
  Use the AC-5VH/AC-5VHS when taking pictures or playing back images for long periods or when the FinePix S3100 / FinePix S3500 is connected to a personal computer.
  ✻ The shape of the AC power adapter, the plug and socket outlet depend on the country.



- **Fujifilm Rechargeable Battery 2HR-3UF**
  The 2HR-3UF includes 2 pieces of high-capacity AA-size Nickel-Metal Hydride (Ni-MH) batteries.

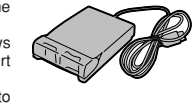


- **Fujifilm Battery Charger with Battery BK-NH/BK-NH2 (With Euro type or UK type plug)**
  The BK-NH/BK-NH2 includes the quick battery charger BCH-NH/BCH-NH2 and 2 Ni-MH batteries. The BCH-NH/BCH-NH2 can charge 2 Ni-MH batteries in approximately 120 minutes. Up to 4 Ni-MH batteries can be charged simultaneously.



- **Carrying Case SC-FX304**
  This is a special case made of polyester that protects the camera against soil, dust and minor impacts when it is being carried.

- **Image Memory Card Reader DPC-R1**
  The DPC-R1 provides a quick and easy way to transfer images back and forth between your PC and an image memory card (**xD-Picture Card** and SmartMedia). The DPC-R1 uses the USB interface for high-speed file transfer.
  - Compatible with Windows 98/98 SE, Windows Me, Windows 2000 Professional, Windows XP or iMac, Mac OS 8.6 to 9.2.2, Mac OS X (10.1.2 to 10.2.2) and models that support USB as standard.
  - Compatible with **xD-Picture Card**s of 16 MB to 512 MB, and SmartMedia of 3.3V, 4 MB to 128 MB.



- **PC Card Adapter DPC-AD**
  The PC Card Adapter allows the **xD-Picture Card** and SmartMedia to be used as a PC Card Standard ATA-compliant (PCMCIA 2.1) PC card (Type II).
  - Compatible with **xD-Picture Card**s of 16 MB to 512 MB, and SmartMedia of 3.3V, 2 MB to 128 MB.

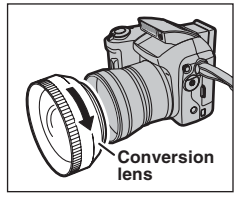
- **CompactFlash™ Card Adapter DPC-CF**
  Loading an **xD-Picture Card** into this adapter allows you to use the card as a CompactFlash card (Type I).
  - Windows 95/98/98 SE/Me/2000 Professional/XP
  - Mac OS 8.6 to 9.2/X (10.1.2 to 10.1.5)

- **xD-Picture Card™ USB Drive DPC-UD1**
  This is a compact card reader for **xD-Picture Card**s. Simply plug the drive into the USB port to read and write data to an **xD-Picture Card** (No driver installation is required except on Windows 98/98 SE).
  - Compatible with **xD-Picture Card** of 16 MB to 512 MB
  - Windows 98/98 SE/Me/2000 Professional/XP
  - Mac OS 9.0 to 9.2/X (10.0.4 to 10.2.6)

# Conversion Lens Guide (sold separately)

## Wide conversion lens WL-FX9/WL-FX9B

Changes the focal length by a factor of 0.79× (wide-angle: equivalent to 31 mm) without altering the F-stop value of the lens.




- **Wide conversion lens specifications**

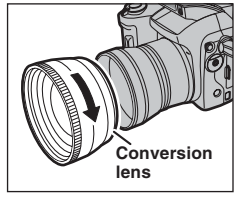
| | |
|---|---|
| Magnification: | 0.79× |
| Lens configuration: | 3 lenses in 3 groups |
| Shooting range: | Approx. 0.9 m (3.0 ft.) to infinity |
| Dimensions: | 70 mm (2.76 in.) dia. × 32 mm (1.26 in.) |
| Mass (Weight): | Approx. 185 g (6.5 oz.) |
| Accessories: | Adapter ring AR-FX9 (see below remarks), Lens caps (front and rear), Lens pouch |

✻ Except for body color, the specifications of the WL-FX9 and WL-FX9B are the same.
WL-FX9: Silver
WL-FX9B: Black

- The adapter ring enclosed with the FinePix S3100 / FinePix S3500 (AR-FX3) should be used with this conversion lens. The adapter rings provided with these conversion lenses (AR-FX9 for FinePix 4900 zoom/6900 zoom/S602 zoom/S7000/S20Pro) cannot be used with the FinePix S3100 / FinePix S3500.
- Only use the wide conversion lens at the wide-angle zoom setting.
- The built-in flash cannot be used when the wide conversion lens is mounted.
- Commercially available filters can be mounted on the lens when the adapter ring is attached, but no more than one filter should be mounted at a time.

## Teleconversion lens TL-FX9/TL-FX9B

Changes the focal length by a factor of 1.5× (telephoto: equivalent to 351 mm) without altering the F-stop value of the lens.




- **Teleconversion lens specifications**

| | |
|---|---|
| Magnification: | 1.5× |
| Lens configuration: | 3 lenses in 3 groups |
| Shooting range: | Approx. 3.0 m (9.8 ft.) to infinity |
| Dimensions: | 65 mm (2.56 in.) dia. × 55 mm (2.17 in.) |
| Mass (Weight): | Approx. 100 g (3.5 oz.) |
| Accessories: | Adapter ring AR-FX9 (see below remarks), Lens caps (front and rear), Lens pouch |

✻ Except for body color, the specifications of the TL-FX9 and TL-FX9B are the same.
TL-FX9: Silver
TL-FX9B: Black

- The adapter ring enclosed with the FinePix S3100 / FinePix S3500 (AR-FX3) should be used with this conversion lens. The adapter rings provided with these conversion lenses (AR-FX9 for FinePix 4900 zoom/6900 zoom/S602 zoom/S7000/S20Pro) cannot be used with the FinePix S3100 / FinePix S3500.
- Only use the tele conversion lens at the telephoto zoom setting.
- The built-in flash cannot be used when the teleconversion lens is mounted.
- Commercially available filters can be mounted on the lens when the adapter ring is attached, but no more than one filter should be mounted at a time.



# Using Your Camera Correctly

▶ Read this information and the “Safety Notes” (➥P.96), to make sure you use your camera correctly.

### ■ Places to Avoid

Do not store or use the camera in the following types of locations:

- In the rain or in very humid, dirty or dusty places
- In direct sunlight or in places subject to extreme temperature, such as in a closed car in summer
- Extremely cold places
- Places with strong vibration
- Places with smoke or steam
- Places subject to strong magnetic fields (such as near motors, transformers or magnets)
- In contact with chemicals such as pesticides
- Next to rubber or vinyl products

### ■ Damage by Water or Sand

The FinePix S3100 / FinePix S3500 can be damaged on the inside and outside by water and sand. When you are at the beach or close to water, make sure that the camera is not damaged by water or sand. Take care not to place the camera on a wet surface.

### ■ Damage by Condensation

If the camera is carried from a cold location into a warm place, water droplets (condensation) may form on the inside of the camera or on the lens. When this occurs, turn the camera off and wait an hour before using the camera. Condensation may also form on the **xD-Picture Card**. In this event, remove the **xD-Picture Card** and wait a short time.

### ■ When the Camera is Not Used or is stored Periods of Time

If you do not intend to use the camera for a long period of time, remove the batteries and the **xD-Picture Card**.

### ■ Cleaning Your Camera

- Use a blower brush to brush away any dust on the lens, LCD monitor or viewfinder and then gently wipe the camera with a soft, dry cloth. If any soiling remains, apply a small amount of lens cleaning liquid to a piece of FUJIFILM lens cleaning paper and wipe gently.
- Do not scratch hard objects against the lens, LCD monitor or viewfinder.
- Clean the body of the camera with a soft, dry cloth. Do not use volatile substances or cleaning products these items can cause damage.

### ■ Using the Camera When Traveling

When traveling overseas, do not place your camera in the check-in baggage. Baggage can be subjected violent shocks, and the camera may be damaged inside or outside.

# Power Supply and Batteries

## Applicable Batteries

- In the camera, use AA-size alkaline or nickel-metal hydride (Ni-MH) batteries.
  Do not use AA-size manganese or nickel-cadmium (Ni-Cd) batteries in your FinePix S3100 / FinePix S3500 because the heat created by the batteries could damage the camera or cause it not to work.
- The life of alkaline batteries varies between brands. The life of batteries you purchase may be shorter than those provided with the camera.

## Notes on the Batteries

Incorrect use of the batteries could cause them to leak, become hot, ignite or burst. Always observe the precautions given below.

- Do not heat the batteries or throw them into a fire.
- Do not carry or store batteries with metal objects such as necklaces or hairpins.
- Do not expose the batteries to water, and keep batteries from getting wet or stored in moist locations.
- Do not attempt to take apart or change the batteries, including battery casings.
- Do not subject the batteries to strong impacts.
- Do not use batteries that are leaking, deformed, discolored.
- Do not store batteries in warm or humid places.
- Keep the batteries out of reach of babies and small children.
- Make sure that the battery polarity (⊕ and ⊖) is correct.
- Do not use new with used batteries. Do not use charged and discharged batteries together.
- Do not use different types or brands of batteries at the same time.
- If you do not intend to use the camera for a long period of time, remove the batteries from the camera. (Note if the camera is left with the batteries removed, the time and date settings are cleared.)
- The batteries feel warm right after being used. Before removing the batteries, turn the camera off and wait for the batteries to cool down.
- Since batteries do not work well in cold weather or locations, warm the batteries by placing it inside your garments before use. Batteries do not work well in the cold. They will work again when the temperature returns to normal.
- Soil (such as fingerprints) on the battery terminals makes the batteries charge less reducing the number of images. Carefully wipe the battery terminals with a soft dry cloth before loading.

⚠ If any liquid at all leaks from the batteries, wipe the battery compartment thoroughly and then load new batteries.
⚠ If any battery fluid comes into contact with your hands or clothing, flush the area thoroughly with water. Note that battery fluid can cause loss of eyesight if it gets into your eyes. If this occurs, do not rub your eyes. Flush the fluid out with clean water and contact your physician for treatment.

## Using the AA-size Ni-MH batteries correctly

- As a power source in digital cameras, AA-size Ni-MH batteries are superior to alkaline batteries in several ways, such as allowing more shots to be taken with the camera. However, care must be taken with the way Ni-MH batteries are used if their original performance is to be maintained.
- Ni-MH batteries left unused in storage for long periods can become “deactivated”. Also, repeatedly charging Ni-MH batteries that are only partially discharged can cause them to suffer from the “memory effect”.
  Ni-MH batteries that are “deactivated” or affected by “memory” suffer from the problem of only providing power for a short time after being charged. To prevent this problem, discharge and recharge them several times using the camera’s “Discharging rechargeable batteries” function. By repeating this cycle several times, the temporary reduction in performance caused by “memory” or “deactivation” can be remedied and the batteries can be restored to their original performance levels.
  Deactivation and memory are specific to Ni-MH batteries and are not in fact battery faults. See P.87 for the procedure for “Discharging rechargeable batteries”.

Do not use the “Discharging rechargeable batteries” function when alkaline batteries are being used.

- To charge Ni-MH batteries, use the quick battery charger (sold separately). Refer to the instructions supplied with the charger to ensure that the charger is used correctly.
- Do not use the battery charger to charge other batteries.
- Note that the batteries feel warm after being charged.
- Due to the way the camera is constructed, a small amount of current is used even when the camera is turned off. Note in particular that leaving Ni-MH batteries in the camera for a long period will overdischarge the batteries and may render them unusable even after recharging.
- Ni-MH batteries will self-discharge even when not used, and the time for which they can be used may be shortened as a result.
- Ni-MH batteries will deteriorate rapidly if overdischarged (eg. by discharging the batteries in a flashlight). Use the "Discharging rechargeable batteries" function provided in the camera to discharge the batteries.
- Ni-MH batteries have a limited service life. If a battery can only be used for a short time even after repeated discharge-charge cycles, it may have reached the end of its service life.

### ■ Disposing of Batteries

When disposing of batteries, do so in accordance with your local waste disposal regulations.

## AC Power Adapter

Always use the AC Power Adapter AC-5VH/AC-5VHS with the camera.
The use of an AC Power adapter other than AC-5VH/AC-5VHS can cause damage to your digital camera.

- Use the AC power adapter for indoor use only.
- Plug the connection cord plug securely into the DC input terminal of the FUJIFILM Digital camera.
- Turn off the FUJIFILM Digital camera before disconnecting the cord from the FUJIFILM Digital camera’s DC input terminal. To disconnect, pull out the plug gently. Do not pull on the cord.
- Do not use the AC power adapter with any device other than your camera.
- During use, the AC power adapter will become hot to the touch. This is normal.
- Do not take apart the AC power adapter. Doing so could be dangerous.
- Do not use the AC power adapter in a hot humid place.
- Do not subject the AC power adapter to strong shocks.
- The AC power adapter may emit a humming. But this is normal.
- If used near a radio, the AC power adapter may cause static. If this happens, move the camera away from the radio.



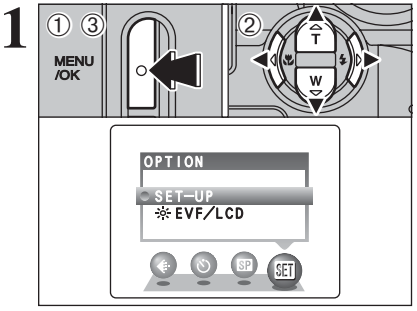
## Discharging rechargeable Ni-MH batteries

**The “Discharging rechargeable batteries” function can only be used with Ni-MH batteries.**
**The “Discharging rechargeable batteries” function should not be used with alkaline batteries as it will completely drain the battery charge.**

Use the “Discharging rechargeable batteries” function in the following situations:
- When the batteries can only be used for a short time after being charged normally
- When the batteries have not been used for a long period
- When you purchase new Ni-MH batteries

Do not use the “Discharging rechargeable batteries” function while using the AC power adapter. In these situations, the Ni-MH batteries will not be discharged due to the external power supply.

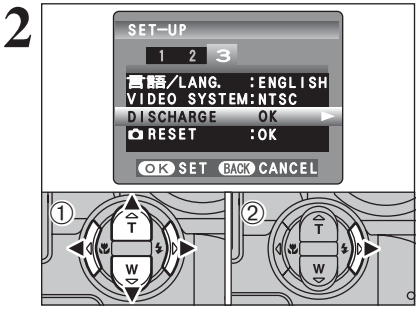
**1**




① Press the “MENU/OK” button.
② Press “◀” or “▶” to select “SET-UP” OPTION and then press “▲” or “▼” to select “SET-UP”.
③ Press the “MENU/OK” button.

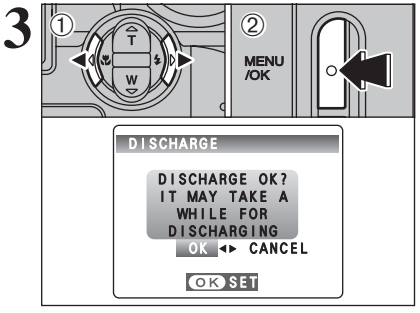
Do not use the procedure for discharging rechargeable batteries with alkaline batteries.

**2**




① Press “◀” or “▶” to move to option 3 and then press “▲” or “▼” to select “DISCHARGE”.
② Press “▶”.

**3**




① Press “◀” or “▶” to select “OK”.
② Press the “MENU/OK” button.
The screen changes and discharging begins.
When the battery level indicator blinks red and discharging ends, the camera turns off.

To cancel discharging, press the “DISP/BACK” button.

# Notes on the xD-Picture Card™

### ■ Image Memory Card

- This Image Memory Card is a new image recording media (**xD-Picture Card**) developed for digital cameras. The Image Memory Card consists of a semiconductor memory (NAND-type flash memory) to record digital image data.
  The recording process is electrically performed and enables erasure of existing image data as well as re-recording of new image data.
- When using a new Memory Card, or a Memory Card that has been formatted by a PC, be sure to format the card with your digital camera before using it.

### ■ Protecting Your Data

- Images and movies may be lost or destroyed in the following situations. Please note that FUJIFILM assumes no responsibility for data that is lost or destroyed.
  1. Removal of the memory card or turning the power off while the memory card is being accessed (i.e., during record, erase, initialization, and playback operations).
  2. Improper handling and use of the memory card by the user or third party.
- Save your important data to another media (i.e., MO disk, CD-R, hard disk, etc.).

### ■ Handling xD-Picture Card

- When storing **xD-Picture Card**s, make sure that they are kept out of the reach of children. An **xD-Picture Card** could be swallowed cause suffocation. If a child swallows an **xD-Picture Card**, seek medical attention or call emergency number right away.
- When inserting the **xD-Picture Card** into the camera, hold the **xD-Picture Card** straight as you push it in.
- Do not expose an **xD-Picture Card** to shock. Do not apply pressure, and avoid bending.
- Do not use or store **xD-Picture Card** in hot humid places.
- Clean the **xD-Picture Card** with a soft dry piece of cloth when dirty.
- When carrying or storing an **xD-Picture Card**, keep it in the special protective case.
- The **xD-Picture Card** will work well for long time, but will sooner or later lose its ability to store and play back images or movies. If this happens replace it with a new **xD-Picture Card**.
- Never remove the **xD-Picture Card** or turn the camera off during data recording or erasing (**xD-Picture Card** formatting) as this could be damaged to the **xD-Picture Card**.
- The use of **xD-Picture Card**s is recommended with the FinePix S3100 / FinePix S3500.
  The recording quality cannot be guaranteed when **xD-Picture Card**s other than those manufactured by FUJIFILM are used.
- The **xD-Picture Card** may feel warm when it is removed from the camera after taking pictures. This is normal.
- Do not put labels on the **xD-Picture Card**. Peeling labels can cause the camera not to work properly.

### ■ Using xD-Picture Card with a PC

- When taking pictures using an **xD-Picture Card** that has been used on a PC, reformat the **xD-Picture Card** using your camera for best quality.
- When formatting an **xD-Picture Card**, a directory (folder) is created. Image data is then recorded in this directory.
- Do not change or delete the directory (folder) or file names on the **xD-Picture Card** because this will make it impossible to use the **xD-Picture Card** in your camera.
- Always use the camera to erase image data on an **xD-Picture Card**.
- To edit image data, copy the image data to the PC and edit the copy.
- Do not copy files other than those that will be used by the camera.

### ■ Specifications

| | |
|---|---|
| Type | Image memory card for digital cameras (**xD-Picture Card**) |
| Memory type | NAND-type flash memory |
| Conditions for use | Temperature:<br>0°C to +40°C<br>(+32°F to +104°F)<br>Humidity:<br>80% max. (no condensation) |
| Dimensions | 25 mm × 20 mm × 2.2 mm<br>(0.98 in. × 0.79 in. × 0.09 in.)<br>(W × H × D) |



# Warning Displays

▶The table below lists the warnings that are displayed on the screen.

| Warning Displayed | Explanation | Remedy |
|---|---|---|
| (Lit red)<br> (Blinking red) | The camera batteries are low or completely out of charge. | Load new or fully charged batteries. |
| | There is a strong likelihood of camera shake because the shutter speed is slow. | Use flash photography. However, use a tripod for some scenes and modes. |
| !AE | Outside the AE continuous range. | The picture can be taken, but the correct brightness (exposure) will not be obtained. |
| !AF | The AF (auto focus) cannot work effectively. | • If the image is too dark, take the picture at a distance of around 2 m (6.6 ft.) from the subject.<br>• Use AF lock to take the picture. |
| FOCUS ERROR<br>ZOOM ERROR | Camera malfunction or fault. | • Turn the camera on again, taking care not to touch the lens.<br>• Turn the camera off and on again. If the message still appears, contact your FUJIFILM dealer. |
| NO CARD | No **xD-Picture Card** is inserted. | Insert an **xD-Picture Card**. |
| CARD NOT INITIALIZED | • The **xD-Picture Card** is not formatted.<br>• The **xD-Picture Card** contact area is soiled.<br>• Camera fault. | • Format the **xD-Picture Card** on the camera.<br>• Wipe the contact area on the **xD-Picture Card** with a soft dry cloth. It may be necessary to format the **xD-Picture Card**. If the message still appears, replace the **xD-Picture Card**.<br>• Contact your FUJIFILM dealer. |
| CARD ERROR | • The **xD-Picture Card** contact area is soiled.<br>• The **xD-Picture Card** is damaged.<br>• The **xD-Picture Card** format is incorrect.<br>• Camera fault. | • Wipe the contact area on the **xD-Picture Card** with a soft dry cloth. It may be necessary to format the **xD-Picture Card**. If the message still appears, replace the **xD-Picture Card**.<br>• Contact your FUJIFILM dealer. |
| CARD FULL | The **xD-Picture Card** is full. | Erase some images or use an **xD-Picture Card** that has ample free space. |
| WRITE ERROR | • The data could not be recorded due to an **xD-Picture Card** error or a connection error between the **xD-Picture Card** and camera.<br>• The image cannot be recorded as it is too large to fit in the available space on the **xD-Picture Card**. | • Re-insert the **xD-Picture Card** or turn the camera off and then on again. If the message still appears, contact your FUJIFILM dealer.<br>• Use a new **xD-Picture Card**. |
| FRAME NO. FULL | The frame number has reached 999–9999. | ① Insert a formatted **xD-Picture Card** into the camera.<br>② Set “RENEW” as the FRAME NO. setting in the “SET-UP” menu.<br>③ Start taking pictures. (The frame numbers start from “100-0001”.)<br>④ Set “CONT.” as the FRAME NO. setting in the “SET-UP” menu. |

## Warning Displays

| Warning Displayed | Explanation | Remedy |
|---|---|---|
| READ ERROR | • The played back file was not recorded correctly.<br>• The **xD-Picture Card** contact area is soiled.<br>• Camera fault.<br>• An attempt was made to play a movie that was not recorded on this camera. | • Images cannot be played back.<br>• Wipe the contact area on the **xD-Picture Card** with a soft dry cloth. It may be necessary to format the **xD-Picture Card**. If the message still appears, replace the **xD-Picture Card**.<br>• Contact your FUJIFILM dealer.<br>• Movies cannot be played back. |
| PROTECTED FRAME | A protected file was encountered. | Protected files cannot be erased. Remove the protection. |
| 0.3M CAN NOT TRIM | An attempt was made to trim a 0.3M image. | The image cannot be trimmed. |
| CAN NOT TRIM | • An attempt was made to trim an image shot using a camera other than FinePix S3100 / FinePix S3500.<br>• The image is damaged. | The image cannot be trimmed. |
| DPOF FILE ERROR | Prints were specified for 1000 or more frames in the DPOF frame settings. | The maximum number of frames for which prints can be specified on the same **xD-Picture Card** is 999.<br>Copy the images for which you want to order prints onto another **xD-Picture Card** and then specify the DPOF settings. |
| CAN NOT SET DPOF | An attempt was made to specify DPOF settings for an image that is not supported by DPOF or movie. | DPOF printing cannot be used with this image format. |
| COMMUNICATION ERROR | The camera is not connected to PC or printer. | • Check that the USB cable is connected correctly.<br>• Check that your printer is turned on. |
| PRINTER ERROR | Displayed for PictBridge. | • Check that the printer is not out of paper or out of ink.<br>• Turn the printer off briefly and then turn it back on.<br>• Refer to the user manual supplied with your printer. |
| PRINTER ERROR RESUME? | Displayed for PictBridge. | Check that the printer is not out of paper or out of ink. Printing automatically restarts when the error is cleared. If the message still appears after checking, press the “MENU/OK” button to restart printing. |
| CANNOT BE PRINTED | Displayed for PictBridge. | • Refer to the user manual for the printer being used and check whether the printer supports the JFIF-JPEG or Exif-JPEG image format. If not, the printer cannot print the images.<br>• Movie images cannot be printed.<br>• Was the image data photographed using FinePix S3100 / FinePix S3500? You may not be able to print some images photographed on other cameras. |
| PRINTING | Displayed for PictBridge. | This message appears when printing is performed from a FUJIFILM printer that supports PictBridge. Refer to the Owner’s Manual for the printer for details. |



## Troubleshooting

▶If you think the camera is faulty, check the following once more.

| Troubleshooting | Possible causes | Solutions |
|---|---|---|
| No power. | • The batteries have run out.<br>• The batteries are loaded backwards.<br>• The battery cover is not closed correctly.<br>• The AC power adapter plug has come out of the power outlet. | • Load new or fully charged batteries.<br>• Load the batteries in the correct direction.<br>• Close the battery cover correctly.<br>• Plug the adapter back in. |
| Power cuts out during operation. | The batteries have run out. | Load new or fully charged batteries. |
| Batteries run out quickly. | • Camera is being used in extremely cold conditions.<br>• The terminals are soiled.<br>• The batteries can no longer be recharged.<br>• The rechargeable batteries (if used) have become deactivated, or the battery capacity has diminished due to the memory effect. | • Put the batteries in your pocket or another warm place to heat them and then load them into the camera just before you take a picture.<br>• Wipe the battery terminals with a clean, dry cloth.<br>• Load new or fully charged batteries.<br>• Use the rechargeable battery discharging function to restore the rechargeable batteries to full capacity. |
| No photograph is taken when the shutter button is pressed. | • No **xD-Picture Card** is inserted.<br>• The **xD-Picture Card** is full.<br>• The **xD-Picture Card** is not formatted.<br>• The **xD-Picture Card** contact area is soiled.<br>• The **xD-Picture Card** is damaged.<br>• The Auto power off function has turned the camera off.<br>• The batteries have run out. | • Insert an **xD-Picture Card**.<br>• Insert a new **xD-Picture Card** or erase some unwanted frames.<br>• Format the **xD-Picture Card** on the camera.<br>• Wipe the **xD-Picture Card** contact area with a clean dry cloth.<br>• Insert a new **xD-Picture Card**.<br>• Turn the camera on.<br>• Load new or fully charged batteries. |
| Can’t set the camera to Macro (close-up) mode. | The camera is set to Scene position ( ) mode or to Movie mode ( ) . | Photography mode is changed to “AUTO” or “ ”. |
| Can’t use the flash. | • The flash is not popped up.<br>• The camera is set to Landscape in Scene position mode. | • Pop up the flash.<br>• Select another Scene position or change the Photography mode. |
| The playback image is dark even though the flash was used. | • The subject is too far away.<br>• Your finger was covering the flash/flash control sensor. | • Move to within the effective flash range before taking the picture.<br>• Hold the camera correctly. |
| The flash settings are restricted and cannot be selected. | Scene position mode is selected. | The flash settings are restricted because the camera settings are tailored to the scene being shot. Change the Photography mode for a wider range of flash settings. |
| The image is blurred. | • The lens is dirty.<br>• The photographed subject was too dark.<br>• You photographed scenery with Macro mode selected.<br>• You took a close-up shot without selecting Macro mode.<br>• You are shooting a subject that is not suited to autofocusing. | • Clean the lens.<br>• Try standing about 2 m (6.6 ft.) from your subject to take the picture.<br>• Cancel Macro mode.<br>• Select Macro mode.<br>• Use AF/AE lock to take the picture. |
| There is speckling on the image. | The picture was taken with a slow shutter speed (long exposure) in a high-temperature environment. | This is a characteristic of CCDs and does not indicate a camera fault. |
| Can’t format the **xD-Picture Card**. | The **xD-Picture Card** contact area is soiled. | Wipe the **xD-Picture Card** contact area with a clean dry cloth. |

# Troubleshooting

▶If you think the camera is faulty, check the following once more.

| Troubleshooting | Possible causes | Solutions |
|---|---|---|
| Frame erase does not erase the frame. | Some frames may be protected. | Unprotect frames using the camera on which the protection was first applied. |
| The ERASE ALL function does not erase all the frames. | | |
| Nothing happens when I use the Mode dial. | • Camera malfunction.<br>• The batteries have run out. | • Briefly remove the batteries or disconnect the AC power adapter. Then reload the batteries or reconnect the AC power adapter and try again.<br>• Load new or fully charged batteries. |
| Screens are not displayed in English. | • A language other than English is selected in the "言語/LANG." setting in the "SET-UP" menu (➡P.60). | ①Press the "MENU/OK" button to display the menu on the screen.<br>②Press "◀" or "▶" to select "SET-UP" and press "▲" or "▼" to select "SET-UP". Press the "MENU/OK" button to display the SET-UP screen on the screen.<br>③Press "◀" or "▶" to move to option 3 and then use "▲" or "▼" to select "言語/LANG.".<br>④Press "◀" or "▶" several times to select "ENGLISH".<br>⑤Press the "MENU/OK" button. |
| There is no image on the TV. | • The camera is not connected to the TV correctly.<br>• "TV" is selected as the TV input.<br>• The video output setting is incorrect. | • Connect the camera and TV correctly.<br>• Set the TV input to "VIDEO".<br>• Change the setting to "NTSC" or "PAL" (➡P.60). |
| The TV image is black and white. | • The video output setting is incorrect. | • Change the setting to "NTSC" or "PAL" (➡P.60) |
| When the camera is connected to a PC, the photographed image or playback image appears on the camera's screen. | • The USB cable (included) is not correctly connected to the PC or camera.<br>• The PC is not turned on. | • Set up the camera and the USB cable (included) correctly.<br>• Turn the PC on. |
| The camera no longer works correctly. | The camera has suffered an unforeseen problem. | Briefly remove the batteries or disconnect the AC power adapter. Then reload the batteries or reconnect the AC power adapter and try again. If the message still appears, contact your FUJIFILM dealer. |
| Can't print with PictBridge. | "⇋" is not selected in USB mode in the "SET-UP" menu. | Select "⇋" in USB mode in the "SET-UP" menu. |
| The camera was connected to PC when the USB mode was set to "⇋". | | Perform steps ① to ③ to remove the camera from PC.<br>● Windows<br>① The "New Hardware Found" wizard (or "Scanner and Camera" wizard) appears. If the wizard does not appear, proceed to step ③.<br>② Click the [Cancel] button.<br>③ Disconnect the camera from the PC.<br>● Macintosh<br>① The window for locating the driver appears. If the window does not appear, proceed to step ③.<br>② Click the [Cancel] button.<br>③ Disconnect the camera from the Macintosh. |



# Specifications

## System

| | |
|---|---|
| **Model** | Digital camera FinePix S3100 / FinePix S3500 |
| **Effective pixels** | 4.0 million pixels |
| **CCD** | 1/2.7 inch square pixel CCD<br>Number of total pixels: 4.23 million pixels |
| **Number of recorded pixels** | Still image: 2272 × 1704 pixels/1600 × 1200 pixels/1280 × 960 pixels/<br>640 × 480 pixels (4M/2M/1M/03M)<br>Movie: 320 × 240 pixels (10 frames per second without sound)<br>160 × 120 pixels (10 frames per second without sound) |
| **Storage media** | **xD-Picture Card** (16/32/64/128/256/512 MB) |
| **File format** | Still image: JPEG (Exif ver. 2.2)<br>✻ Design rule for Camera File System compliant DPOF compatible<br>Movie: AVI format, Motion JPEG |
| **Lens** | Fujinon 6 × optical zoom lens, F2.8-F3.0 |
| **Aperture** | F2.8 to F3.0 (automatically selected) |
| **Focal length** | f=6.0 mm to 36 mm<br>(Equivalent to 39 mm to 234 mm on a 35 mm camera) |
| **Focal range** | Normal: Approx. 0.8 m (2.6 ft.) to infinity<br>Macro: Approx. 0.1 m (3.9 in.) to 0.8 m (2.6 ft.) |
| **Shutter speed** | 2 sec. to 1/1500 sec. (combined with mechanical shutter) |
| **Focus** | TTL contrast-type, Auto focus |
| **Sensitivity** | Equivalent to ISO 100 (automatically set between ISO 64 – 250 depend on the shooting mode and subject.) |
| **Photometry** | TTL 64-zones metering |
| **Exposure control** | Program AE |
| **Exposure compensation** | –2.1 EV to +1.5 EV in 0.3-step increments (in Manual mode) |
| **White balance** | Auto (AUTO), Scene position ()<br>Manual modes, 7 positions can be selected |
| **Viewfinder** | 0.33 inches 110,000 pixels electronic viewfinder<br>NTSC Approx. 88% coverage PAL Approx. 86% coverage |
| **LCD monitor** | 1.5 inches, 60,000 pixels amorphous silicon TFT,<br>NTSC: Approx. 87% coverage, PAL: Approx. 85% coverage |
| **Flash type** | Auto flash using flash control sensor<br>Effective range:<br>Wide-angle: Approx. 0.8 m to 3.5 m (2.6 ft. to 11.5 ft.)<br>(Approx. 0.3 m to 0.8 m (1.0 ft. to 2.6 ft.): Macro)<br>Telephoto: Approx. 0.8 m to 3.5 m (2.6 ft. to 11.5 ft.)<br>Flash modes: Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash,<br>Slow Synchro*, Red-Eye Reduction + Slow Synchro*<br>✻ In Manual mode |
| **Self-Timer** | 10 sec. |
| **Video output** | NTSC/PAL selectable |

## Input/Output Terminals

| | |
|---|---|
| **Video output socket** | 2.5 mm dia. jack |
| **(USB) socket** | For file transfer to a computer |
| **DC Input** | Socket for specified AC power adapter AC-5VH/AC-5VHS (sold separately) |

# Specifications

## Power Supply and Others

**Power supply**

Use one of the following:
- 4×AA-size alkaline batteries
- 4×AA-size Ni-MH (Nickel-Metal Hydride) batteries (sold separately)
- AC Power Adapter AC-5VH/AC-5VHS (sold separately)

**Guide to the number of available frames for battery operation**

| Battery Type | |
|---|---|
| Alkaline batteries | Ni-MH batteries (2300mAH) |
| Approx. 300 frames | Approx. 500 frames |

According to the Camera & Imaging Products Association (CIPA) standards*:
When using alkaline batteries, use the batteries supplied with the camera. When using Ni-MH batteries, use Fujifilm Rechargeble Battery.
The storage media should be **xD-Picture Card**.
- Note: Because the number of available shots varies depending on the capacity of alkaline batteries or the level of charge in Ni-MH batteries, the figures shown here for the number of available shots using batteries are not guaranteed.
  The number of available shots will also decline at low temperatures.

* "CIPA DC-002-2003 'Standard Procedure for Measuring Digital Still Camera Battery Consumption' " (extract)
  Pictures shall be taken at a temperature of 23°C, with the LCD monitor turned on, the zoom moved from full wide-angle to full telephoto (or vice-versa) and back again to its original position every 30 seconds, the flash used at full power every second shot and the camera turned off and then on again once every 10 shots.

**Conditions for use**

Temperature: 0°C to +40°C (+32°F to +104°F); 80% humidity or less (no condensation)

**Camera dimensions** (W/H/D)

99.7 mm × 77.3 mm × 69.3 mm/3.9 in. × 3.0 in. × 2.7 in.
(not including accessories and attachments)

**Camera mass** (weight)

Approx. 285 g/10.1 oz.
(not including accessories, batteries, **xD-Picture Card** and Adapter Ring)

**Weight for photography**

Approx. 410 g/14.5 oz.
(including batteries and **xD-Picture Card**)

**Accessories**

See P.7

**Optional Accessories**

See P.83

### ■ Standard number of available frames/recording time per xD-Picture Card

The number of available frames, recording time or file size varies slightly depending on the subjects photographed. Note also that the difference between standard number of frames and the actual number of frames is greater for **xD-Picture Card**s with higher capacities.

| Quality Setting | 4M F | 4M N | 2M | 1M | 03M | Movie 320 | Movie 160 |
|---|---|---|---|---|---|---|---|
| Number of recorded pixels | 2272× 1704 | | 1600 × 1200 | 1280 × 960 | 640 × 480 | 320 × 240 | 160 × 120 |
| Image Data Size | 1.9 MB | 960 KB | 620 KB | 460 KB | 125 KB | – | – |
| DPC-16 (16 MB) | 8 | 16 | 25 | 33 | 122 | Approx. 98 sec. | Approx. 5.6 min. |
| DPC-32 (32 MB) | 16 | 32 | 50 | 68 | 247 | Approx. 199 sec. | Approx. 11.3 min. |
| DPC-64 (64 MB) | 33 | 66 | 101 | 137 | 497 | Approx. 6.6 min. | Approx. 22.7 min. |
| DPC-128 (128 MB) | 66 | 132 | 204 | 275 | 997 | Approx. 13.3 min. | Approx. 45.5 min. |
| DPC-256 (256 MB) | 134 | 266 | 409 | 550 | 1997 | Approx. 26.7 min. | Approx. 91.2 min. |
| DPC-512 (512 MB) | 268 | 532 | 818 | 1101 | 3993 | Approx. 53.5 min. | Approx. 182.5 min. |

* These specifications are subject to change without notice. FUJIFILM shall not be held liable for damages resulting from errors in this Owner's Manual.
* The LCD monitor and viewfinder (EVF) on your digital camera are manufactured using advanced high-precision technology. Even so, small bright points and anomalous colors (particularly around text) may appear on the monitor on the finder. These are normal display characteristics and do not indicate a fault with the monitor on the finder. This phenomenon will not appear on the recorded image.
* The operation error may be caused in a digital camera by the strong radio interference (i. e. electric fields, static electricity, line noise, etc.).
* Due to the nature of the lens, the edges of images may appear distorted. This is normal.



# Explanation of Terms

**AF/AE Lock**
On the FinePix S3100 / FinePix S3500, pressing the shutter button down half way locks the focus and exposure settings (AF and AE lock). If you want to focus on a subject that is not centered in the frame or change the picture composition after the exposure is set, you can obtain good results by changing the composition after the AF and AE settings are locked.

**Auto power save function**
If the camera is not used in any way for 60 seconds, this function turns features such as the LCD monitor off (sleep mode) to prevent battery depletion and the waste of power when the AC power adapter is connected. If the camera is then left unused for a further period, the Auto power save function turns the camera off. This period can be set to 2 minutes or 5 minutes on this camera.
- The Auto power off function does not operate in PC mode, during automatic playback, or if it is disabled during setup.

**Deactivated batteries**
Leaving an Ni-MH battery unused in storage for a long period may cause a rise in the level of substances that inhibit current flow inside the battery and result in a dormant battery. A battery in this state is referred to as deactivated.
Because current flow is inhibited in a deactivated Ni-MH battery, the battery's original level of performance cannot be achieved.

**DPOF**
Digital Print Order Format
DPOF is a format used for recording information on a storage media (image memory card, etc.) that allows you to specify which of the frames shot using a digital camera are to be printed and how many prints are made of each image.

**EV**
A number that denotes Exposure Value. The EV is determined by the brightness of the subject and sensitivity (speed) of the film or CCD. The number is larger for bright subjects and smaller for dark subjects. As the brightness of the subject changes, a digital camera maintains the amount of light hitting the CCD at a constant level by adjusting the aperture and shutter speed.
When the amount of light striking the CCD doubles, the EV increases by 1. Likewise, when the light is halved, the EV decreases by 1.

**Frame rate (fps)**
The frame rate refers to the number of images (frames) that are photographed or played back per second. For example, when 10 frames are continuously photographed in a 1-second interval, the frame rate is expressed as 10 fps.
For reference, TV images are displayed at 30 fps (NTSC).

**JPEG**
Joint Photographics Experts Group
A file format used for compressing and saving color images. The higher the compression rate, the greater the loss of quality in the decompressed (restored) image.

**Memory effect**
If an Ni-MH battery is repeatedly charged without first being fully discharged, its performance may drop below its original level. This is referred to as the "memory effect".

**Motion JPEG**
A type of AVI (Audio Video Interleave) file format that handles images and sound as a single file. Images in the file are recorded in JPEG format. Motion JPEG can be played back by QuickTime 3.0 or later.

**PC Card**
A generic term for cards that meet the PC Card Standard.

**PC Card Standard**
A standard for PC cards determined by the PCMCIA.

**PCMCIA**
Personal Computer Memory Card International Association (US).

**Smear**
A phenomenon specific to CCDs whereby white streaks appear on the image when there is a very strong light source, such as the sun or reflected sunlight, in the photography screen.

**WAVE**
A standard format used on Windows systems for saving audio data. WAVE files have the ".WAV" file extension and the data can be saved in either compressed or uncompressed format. Uncompressed recording is used on this camera.
WAVE files can be played back on a personal computer using the following software:
Windows: MediaPlayer
Macintosh: QuickTime Player
* QuickTime 3.0 or later

**White Balance**
Whatever the kind of the light, the human eye adapts to it so that a white object still looks white. On the other hand, devices such as digital cameras see a white subject as white by first adjusting the color balance to suit the color of the ambient light around the subject. This adjustment is called matching the white balance.

Exif Print
Exif Print Format is a newly revised digital camera file format that contains a variety of shooting information for optimal printing.

# Safety Notes

- Make sure that you use your FinePix S3100 / FinePix S3500 camera correctly, read these Safety Notes and your Owner's Manual carefully beforehand.
- After reading these Safety Notes, store them in a safe place.

## About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

| | |
|---|---|
| ⚠ **WARNING** | **This icon indicates that death or serious injury can result if the information is ignored.** |
| ⚠ **CAUTION** | **This icon indicates that personal injury or material damage can result if the information is ignored.** |

The icons shown below are used to indicate the nature of the information which is to be observed.

Triangular icons tell you that this information requires attention ("important").

Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").

Filled circles with an exclamation mark tell you an action that must be performed ("Required").

## ⚠ WARNING

**If a problem arises, turn the camera off, remove the batteries, disconnect and unplug the AC power adapter.**
Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock.
- Contact your FUJIFILM dealer.

Unplug from power socket.

**Do not allow water or foreign objects to enter the camera.**
If water or foreign objects get inside the camera, turn the camera off, remove the batteries and disconnect and unplug the AC power adapter.
Continued use of the camera can cause a fire or electric shock.
- Contact your FUJIFILM dealer.

**Do not use the camera in the bathroom or shower.**
This can cause a fire or electric shock.

Do not use in the bathroom or shower.

**Never attempt to change or take apart the camera. (Never open the casing.)**
**Do not use the camera when it has been dropped or the casing is damaged.**
This can cause a fire or electric shock.
- Contact your FUJIFILM dealer.

Do not disassemble.

**Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord.**
These actions could damage the cord and cause a fire or electric shock.
- If the cord is damaged, contact your FUJIFILM dealer.

**Do not place the camera on an unstable surface.**
This can cause the camera to fall or tip over and cause injury.

**Never attempt to take pictures while in motion.**
Do not use the camera while you are walking or driving a vehicle.
This can result in you falling down or being involved in a traffic accident.

**Do not touch any metal parts of the camera during a thunderstorm.**
This can cause an electric shock due to induced current from the lightning discharge.

**Do not use the batteries except as specified.**
Load the batteries with the ⊕ and ⊖ marks.

## ⚠ WARNING

**Do not heat, change or take apart the batteries.**
**Do not drop or subject the batteries to impacts.**
**Do not attempt to recharge lithium or alkaline batteries.**
**Do not store the batteries with metallic products.**
**Do not use chargers other than the specified model to charge the batteries.**
Any of these actions can cause the batteries to burst or leak and cause fire or injury as a result.

**Use only the batteries or AC power adapters specified for use with this camera.**
**Do not use voltages other than the power supply voltage shown.**
The use of other power sources can cause a fire.

**If the battery leaks and fluid gets in contact with your eyes, skin or clothing. Flush the affected area with clean water and seek medical attention or call emergency number right away.**

**Do not use the charger to charge batteries other than those specified here.**
The charger is designed for Fujifilm HR-AA Ni-MH batteries. Using the charger to charge conventional batteries or other types of rechargeable batteries can cause the battery to leak fluid, overheat or burst.

**When discarding or storing batteries, cover the battery terminals with insulation tape.**
- Contact with other metallic objects or batteries could cause the batteries to ignite or burst.

**Keep xD-Picture Cards out of the reach of small children.**
Because **xD-Picture Card**s are small, they can be swallowed by children. Be sure to store **xD-Picture Card**s out of the reach of small children. If a child swallows an **xD-Picture Card**, seek medical attention or call emergency number.

## ⚠ CAUTION

**Do not use this camera in locations affected by oil fumes, steam, humidity or dust.**
This can cause a fire or electric shock.

**Do not leave this camera in places subject to extremely high temperatures.**
Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.

**Keep out of the reach of small children.**
This product could cause injury in the hands of a child.

**Do not place heavy objects on the camera.**
This can cause the heavy object to tip over or fall and cause injury.

**Do not move the camera while the AC power adapter is still connected.**
**Do not pull on the connection cord to disconnect the AC power adapter.**
This can damage the power cord or cables and cause a fire or electric shock.

**Do not use the AC power adapter when the plug is damaged or the plug socket connection is loose.**
This could cause a fire or electric shock.

**Do not cover or wrap the camera or the AC power adapter in a cloth or blanket.**
This can cause heat to build up and distort the casing or cause a fire.

**When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the batteries and disconnect and unplug the AC power adapter.**
Failure to do so can cause a fire or electric shock.



**When charging ends, unplug the charger from the power socket.**
Leaving the charger plugged into the power socket can cause a fire.

**Using a flash too close to a person's or animal's eyes may temporarily affect the eyesight.**
Take particular care when taking pictures of children or animals.

**When an xD-Picture Card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.**

**Request regular internal testing and cleaning for your camera.**
Build-up of dust in your camera can cause a fire or electric shock.
- Contact your FUJIFILM dealer to request internal cleaning every 2 years. Please note this is not a free of charge service.

## Memo



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FUJIFILM

**FUJI PHOTO FILM CO., LTD.**
26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 106-8620, Japan
http://home.fujifilm.com/products/digital/

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